

**Nikon F-601 AF** FAA24051

N6006 FAA24151

**F-601 AF** FAA24251  
**QUARTZ DATE**

REPAIR MANUAL

**Nikon** | NIKON CORPORATION  
Tokyo, Japan

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**F-601****[SPECIFICATIONS]**

Refer to Instruction Manual for basic operation of F-601 camera.

**Major features**

- (1) Built-in high-performance autofocus detection system based on a phase difference detection method.
- (2) Advanced focus tracking
- (3) Built-in speedlight
- (4) Easy operation with command input control dial and LCD panel indicator. Centralized LCD panel indicators on the camera's top plate and LCD viewfinder indicators.
- (5) Matrix metering and matrix balanced fill-flash
- (6) Spot metering capability
- (7) Full 5 exposure modes: Manual (M), Auto multi-program (Pm), Normal program (P), Shutter-priority (S) and Aperture-priority (A).
- (8) Exposure compensation and auto exposure bracketing
- (9) Variable delay self-timer and two-picture mode
- (10) Lens with no built-in CPU available in combination with the center-weighted metering and in A, M modes
- (11) TTL flash exposure compensation and rear-curtain sync
- (12) 6V lithium battery pack

**Usable film**

- (1) DX film speed setting: ISO25-ISO5000
- (2) Manual film speed setting: ISO6-ISO6400
- (3) Film speed is displayed in both internal and external LCD panels while pressing the film speed (ISO) button.
- (4) If non DX-coded film is loaded in auto film speed setting mode, a warning sign appears in LCD panels and shutter release operation is locked after advancing several blank exposures.
- (5) If DX-coded film is loaded in manual film speed setting mode, camera gives priority to the manually set ISO number.

**Usable lens**

- (1) AF Nikkor lens with built-in CPU: All functions are available.
- (2) Ai-P Nikkor lens with built-in CPU: All functions except AF are available.
- (3) Ai-S, Ai, modified Ai Nikkor lens: A and M exposure modes are available. Matrix metering is switched to center-weighted metering. FA is possible when maximum aperture value is f/5.6 or faster.

**Exposure metering system**

Maximum aperture exposure metering with 6-segment SPD.

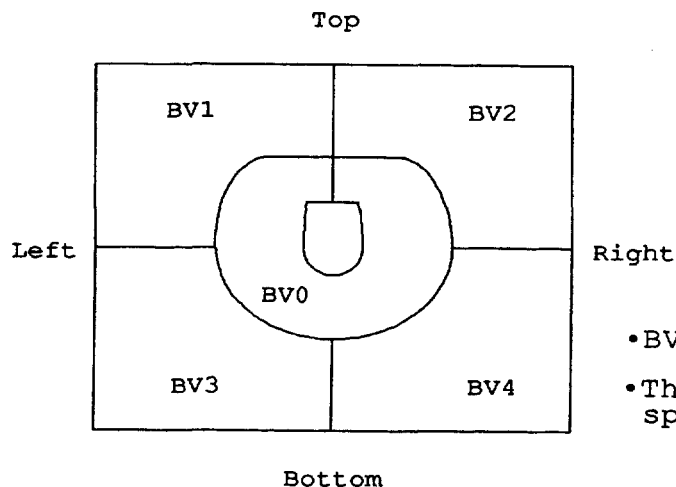
- Matrix metering
- Center-weighted metering (75 ± 10% (ø12) concentration)
- Spot metering (100 +0, -20% (ø3.5) concentration)

**Exposure metering range**

EV0 — EV19 (ISO100, AF50 f/1.4, 2 sec.(f/1.4) — 1/2000 sec. (f/16)

(Spot exposure: EV4 — EV19)

# Matrix metering sensor pattern



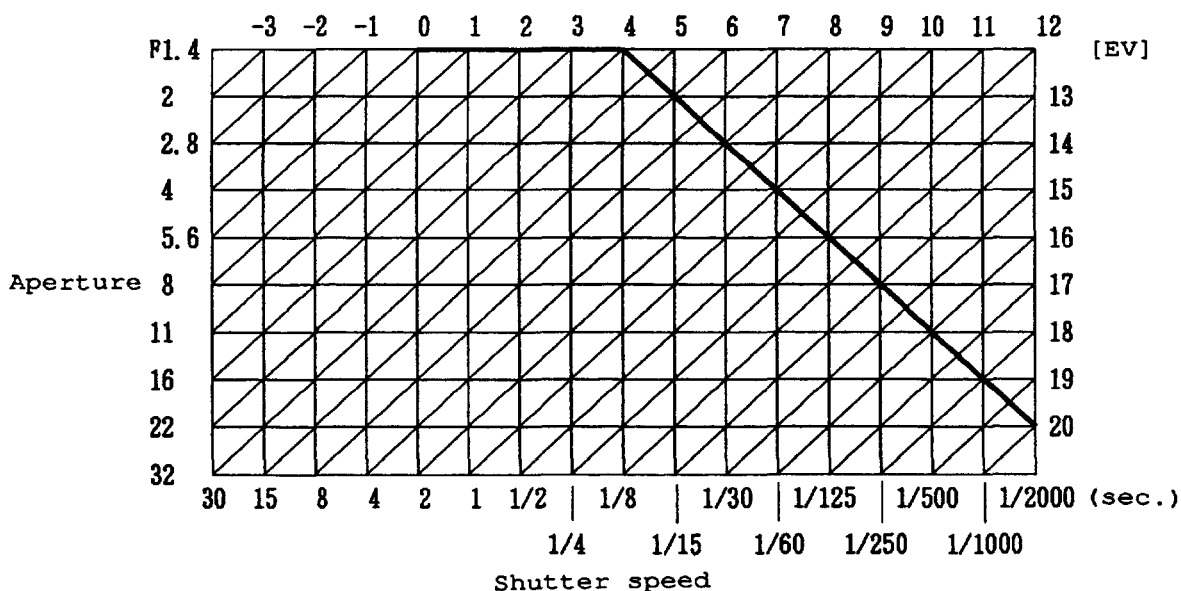
•BV0 includes spot metering

•The ratio of BV0 and spot area is 1:15.

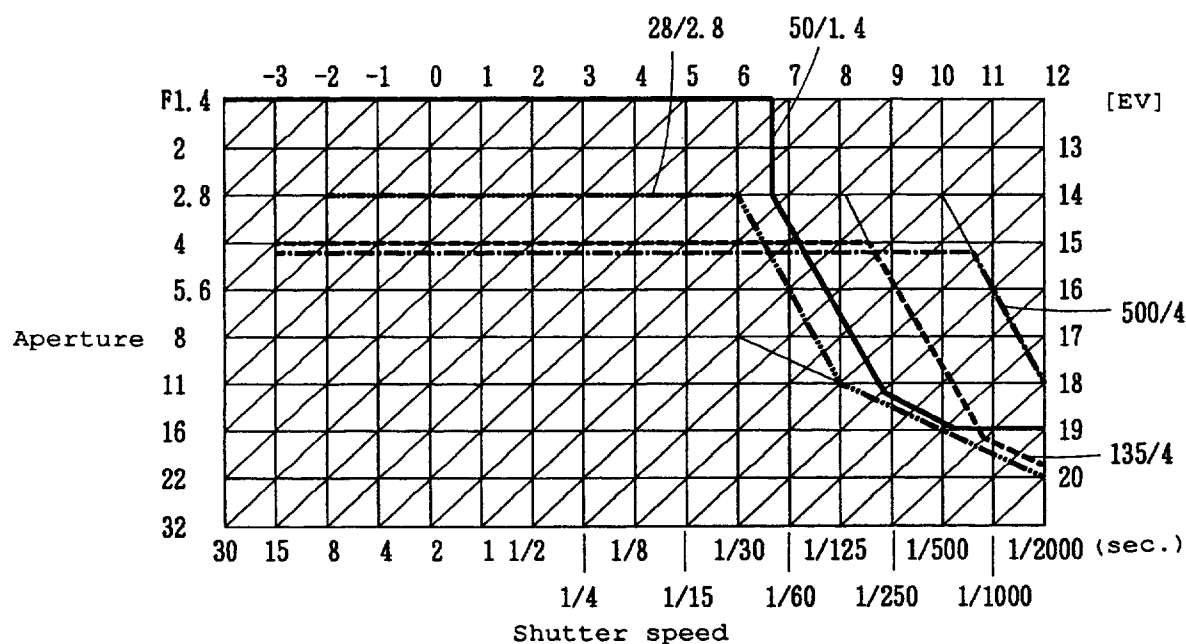
## Exposure mode

- (1) Normal program mode (P mode)
- (2) Auto multi-program mode (PM mode)
- (3) Shutter-priority mode (S mode)
- (4) Aperture-priority mode (A mode)
- (5) Manual mode (M mode)

## Normal program mode (P mode)



- Program shift function is released when shutter prerelease timer is OFF, power switch is OFF or two buttons are reset. (in P and PM modes)
- If shutter speed is slower than the value of 1/(focal length) of the lens mounted, slow shutter speed alert (camera shake warning) appears. No alert or warning appears if shutter speed is faster than 1/500 sec. (in P and PM mode)

**Auto multi-program mode (PM mode)**

- Program charts vary depending on each AF Nikkor lens' focal length (16-500mm). The program charts are designed to overcome camera shake conditions particularly in low brightness. The program charts place priority on smaller apertures so that the shutter will be as fast as possible in medium brightness. In very bright conditions, the smallest aperture is moderated to avoid the affects of diffraction.

**Shutter-priority mode (S mode)**

- Shutter-priority mode becomes available only when Nikkor lens with a built-in CPU is mounted. Exposure mode is automatically switched to aperture-priority mode when other Nikkor lens is mounted. Exposure mode indicator blinks.
- Aperture value is displayed on the LCD at 1EV step. If aperture value is equal to maximum aperture value, the value is displayed at 1/6 steps.
- If aperture value is out of the controllable range, the aperture is controlled by minimum aperture (Fmin or High) or maximum aperture (Fmax or low). Shutter release is not locked. In S mode, you cannot set shutter speed to bulb setting.

### Aperture-priority mode (A mode)

- The A mode is available within the shutter speed range of 30 sec. to 1/2000 sec. Shutter speed value is displayed at 1EV step.
- The aperture setting is shown as "F--" on the LCD when Nikkor lens with no built-in CPU is mounted.
- If shutter speed is slower than the value of 1/(focal length) of the lens mounted, slow shutter speed alert (camera shake warning) appears. No alert or warning appears if shutter speed is faster than 1/500 sec. If shutter speed is longer than 1/45 sec., the warning appears when Nikkor lens with no built-in CPU is mounted.
- If shutter speed value is out of the controllable range, the shutter speed is controlled at 30 sec. (Low) or 1/2000 sec. (High). Shutter release is not locked.

### Manual mode (M mode)

- Shutter speed and aperture values are displayed at 1EV step. If maximum aperture value is displayed at 1/6 EV step.
- NO Hi and Lo indicators are displayed.
- Shutter speed can be set to bulb setting.

### Aperture control in PM mode and S mode

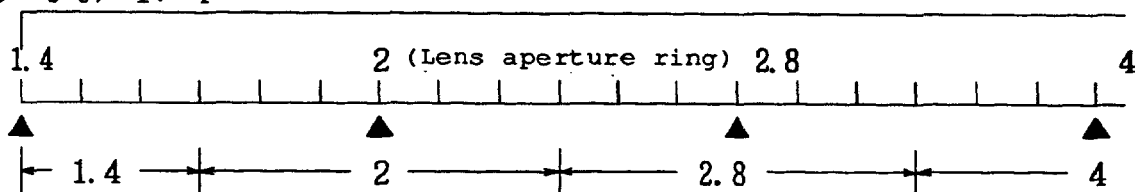
- (1) Relation between the stroke of aperture coupling lever and pulse numbers

	Stroke	Pulse number
First step	0.975mm	12
Others	0.650mm	8

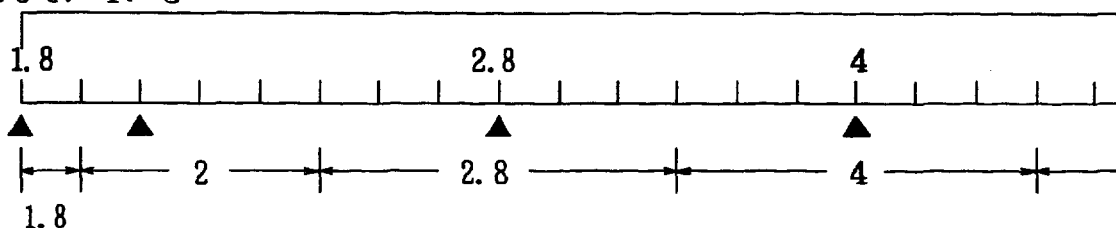
- (2) Display of maximum aperture

Display should change as shown in the following figures. "Δ" indicates clock stop position.

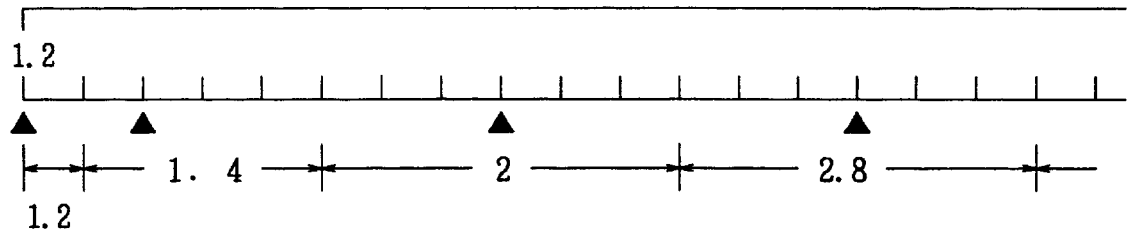
① 50/1.4



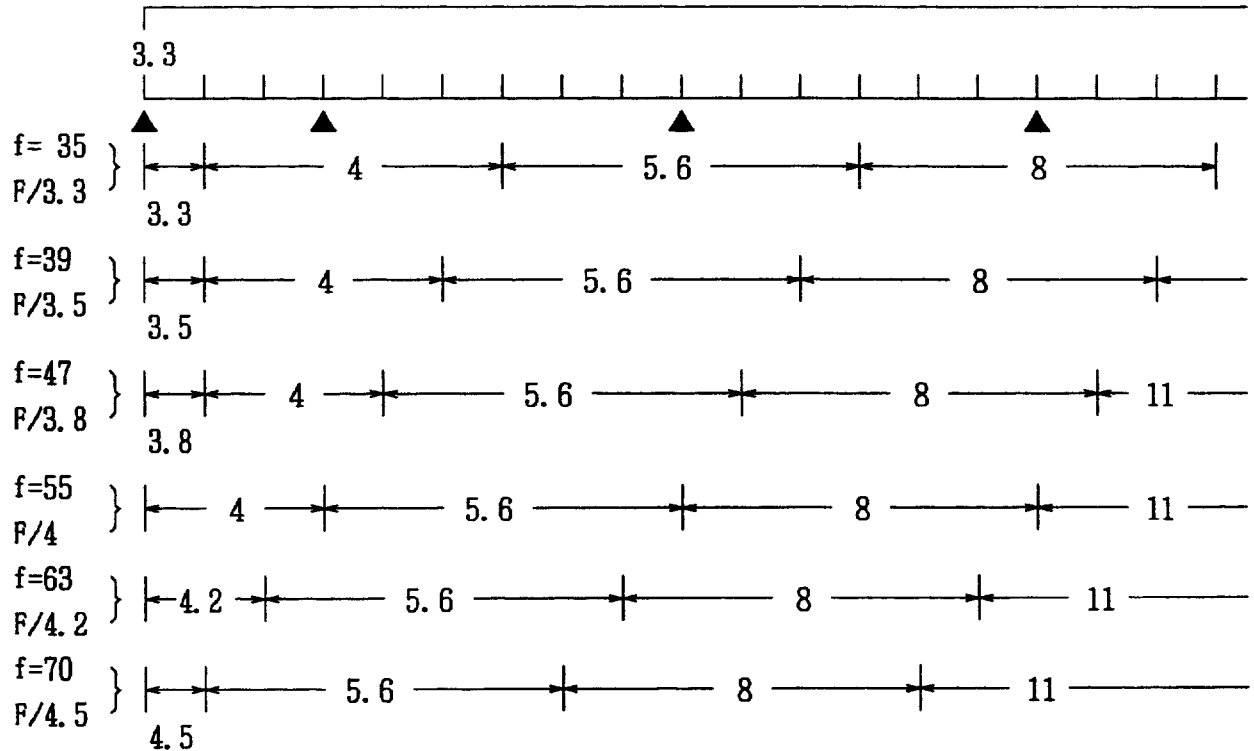
② 50/1.8



③ 50/1.2



④ 35~70/3.3~4.5

**AE lock**

- (1) Exposure data can be memorized as brightness values.
- (2) Shutter prerelease timer is retained while the AE lock is activated.
- (3) When AE lock is activated while using a speedlight, camera gives priority to the speedlight.
- (4) Metering mode selection is possible while AE lock is activated. In this case, exposure is controlled at the exposure mode selected.
- (5) When AF lock is activated, simultaneous AE-AF locks are available.

**F-Fo signal**

Mechanical coupling detection system within the range of 8EV. Input signal is analog.

**Fo signal**

Fo signal detection is made by CPU data in the lens.

**Fmin signal**

Fmin signal detection is made by CPU data in the lens.

**Fmm signal**

Fmm signal detection is made by CPU data in the lens.

**EE identification signal**

No mechanical detection is available. (No distinction is found between Ai and Ai-s.)

**Viewfinder diopter**

Visual field: 1 dpt

Display: 1.1 dpt

**Shutter prerelease switch**

- (1) Shutter prerelease timer holds for 8 seconds.
- (2) Shutter prerelease timer after shutter has been released holds 2 seconds after detaching the finger from the shutter release button.
- (3) Shutter prerelease timer holds until charging of the condenser is completed even when the finger is removed while the built-in speedlight is being popped up.

**Auto film loading**

- (1) Advances three blank exposures. Mirror moves but shutter does not operate.
- (2) No blank exposure is made when frame counter indicates more than "1".
- (3) No DX-code is read while advancing blank exposures. All DX contacts are grounded.

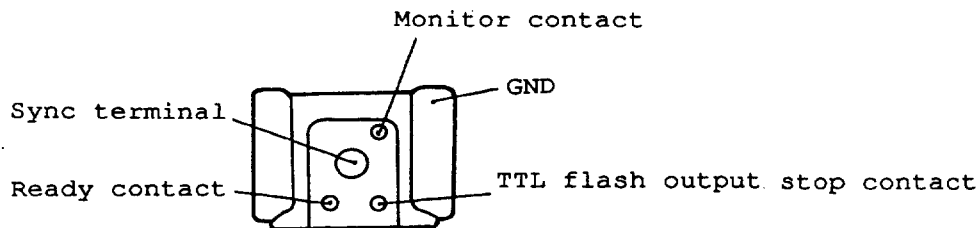
**Frame counter**

- (1) Frame counter displays E, 0, 1, ... 99.
- (2) Counting up when advancing film, counting down when rewinding film.

**Film rewinding**

- (1) Exposure operation is prohibited.
- (2) Film is rewound completely into film cartridge. (Standard setting)
- (3) No DX-code is read while rewind film. All DX contacts are grounded.

## Accessories



### Sync contact

Contact efficiency is more than 50% at both standard time of 1ms and 2.5ms.

### Ready contact

- (1) Recognizing that a speedlight is mounted when the voltage of the dedicated speedlight is 1.4V (min.) and the current is 30 $\mu$ A (min.).
- (2) Ready-light LED lights up when the voltage of the dedicated speedlight is 2.4V (min.) and the current is 0.5mA (min.). It goes out when the current is under 0.1mA or less.

### TTL flash output stop contact

- (1) Indicating the dedicated speedlight to stop firing when it is in TTL flash output mode. At this moment, the voltage of the contact is 0.3V or less and the current is approx. 20mA.
- (2) When the voltage of the contact of the speedlight becomes low for more than 10ms when shutter prerelease timer is OFF, camera's shutter prerelease timer goes ON.

### Monitor contact

- (1) Recognizing that a speedlight in TTL flash output mode is mounted when the voltage of the monitor contact is 0.7V or less.
- (2) TTL flash output is not available when the voltage of monitor contact is 0.9V (min.).
- (3) The voltage of the contact is 0.43V to 1.85V for the input current of 80 $\mu$ A when main switch is OFF or shutter prerelease timer is OFF.

### Lens releasing

The lens releasing and mounting angle is approx. 60.5°.

### Aperture coupling ring

- (1) Aperture stop-down reading is 1/9EV steps.
- (2)  $\theta_1$  is 52° +0°, -1°  
 $\theta_2$  is 113.5° or more.



**Aperture coupling lever**

- (1) Total stroke is 7.4mm or more.
- (2) Aperture stop down is completed in approx. 110ms or less after shutter release switch has been ON at minimum aperture.
- (3) Actually, aperture stop down operation is completed in approx. 30ms at minimum aperture.

**Main mirror**

- (1) Main mirror moving up time: 20 to 30ms
- (2) Main mirror moving down time: 50 to 60ms
- (3) Main mirror bounding time when moving down: 90ms or less.
- (4) Full half mirror. Transmissivity: 35%

**Shutter release if camera back is opened.**

Available in any mode. (Same as that when camera back is closed.)

**Built-in speedlight**

- (1) Guide number: 13 (ISO100 in M mode)
- (2) Bounce angle: Covering 28mm lens
- (3) Charging time: Approx. 2.5 sec. (using fresh batteries at room temperature)
- (4) Light distribution characteristics:

	Vertical	Horizontal
-1EV	26.5° from center	35° from center

- (5) Recommended usage warning  
Warning indicator appears under either one of the following two conditions:
  - Center-weighted BV - Spot BV  $\geq 2$
  - Center-weighted BV < 10 - AV
- (6) ISO film speed setting available for TTL flash output:  
ISO 25 - 800

ISO film speed setting available for TTL flash output with external speedlight mounted.  
ISO 25 - 1000

**Shutter release screw**

Taper screw type

**Screen shade**

No shade which actually affects pictures appears with 800mm f/8 lens.

**AF detection**

TTL distance metering using a phase difference detection method with built-in AP2'.

**AF detection range**

EV-1 to EV19 (at maximum aperture of less than f/5.6.)

**AF lens driving**

- Continuous servo AF mode
- Single servo AF mode
- Manual focusing mode

**AF tracking**

In each mode of AF (C or S) and each film advance mode (C or S), their combination, AF tracking is automatically activated when shooting a moving subject.

**AF illuminator**

AF illuminator is automatically set with Nikon dedicated speedlight is mounted when shooting a subject with approx. EV3 in single servo AF mode.

**AF motor**

- (1) AF encoder outputs 312 pulses when a coupling shaft rotates one turn.
- (2) Motor rating: 14,500 rpm at 6V, under 270mA.

**AF lock**

AF lens driving stops and at the same time auto focus is locked while AF is locked, shutter prerelease time is not OFF.

**Power source**

6V lithium battery pack (CRP2 type)

**Battery check**

Normal battery voltage:	Approx. 6 to 4.8V
	Shutter prerelease timer holds for 8 seconds.
Warning appears:	Approx. 4.8 to 4.5V
	Shutter prerelease timer does not hold any moment.
Battery is exhausted:	Approx. under 4.5V
	All indicators blink during shutter prerelease operation and shutter release is locked .

**Current consumption**

Less than 20 $\mu$ A (when main switch is OFF)  
 Less than 400 $\mu$ A (when main switch is ON and shutter prerelease timer is OFF.)  
 Less than 240mA (when exposure metering or focusing operation is activated, or shutter prerelease switch is ON.)  
 Less than 500mA (when driving AF 50mm f/1.8 lens)  
 Battery life lasts for 7 hours at room temperature (when shutter speed is set to BULB.)

**Function guaranteed conditions**

Camera functions normally at 0°C to +40°C with relative humidity of less than 80%, or camera functions normally at -10°C with relative humidity of less than 50%.

**Normal operation guaranteed conditions**

Camera works normally at +40°C with relative humidity of 85%, or camera works normally at -20°C to -10°C with relative humidity of less than 50%.

**Guaranteed storage conditions**

Camera functions normally in 20 hours after storing it for 20 hours under the environment at +60°C with relative humidity of less than 60%, or at +50°C with relative humidity of 85%, or -30°C with relative humidity of less than 60%.

N i k o n

F-601AF / N6006

F-601AF QUARTZ DATE

## REPAIR MANUAL

S U P P L E M E N T  
S P E C I F I C A T I O N S

## Supplement Specifications

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# 1. Available lens

(1) Available AF lens (including CPU)

Lens	Order No.	Serial No.	Remarks
AF 24/2.8S	JAA 12101	200001 ~	
AF 28/2.8S	JAA 12001	200001 ~	
AF 20/2.8S	JAA 12301	200001 ~	
AF 35/2S	JAA 12201	200001 ~	
AF 50/1.4S	JAA 01001	2000001 ~	
AF 50/1.8S	JAA 00901	2000001 ~ 2120844	Completed in March '87
AF 50/1.8S	JAA 00902	200001 ~	
AF MC 55/2.8S	JAA 62101	200001 ~	
AF 85/1.8S	JAA 32401	200001 ~	From Dec. '87
AF ED 180/2.8S(IF)	JAA 32101	200001 ~ 211081	Completed in August '87
AF ED 300/2.8S(IF)	JAA 32201	200001 ~ 201860	Completed in July '87
AF ED 300/4S(IF)	JAA 32301	200001 ~	
AF ED 600/4S(IF)	(PT16112)		In product trial term
AF ED 180/2.8(IF)	JAA 32102	250001 ~	
AF 24-50/3.3-4.5S	JAA 73401	200001 ~	From Oct. '87
AF 28-85/3.3-4.5S	JAA 72901	200001 ~ 265181	Completed in April '87
AF 35-70/2.8S	JAA 73301	200001 ~	From Oct. '87
AF 35-70/3.3-4.5S	JAA 72701	2000001 ~	
AF 35-70/3.3-4.5S	JAA 72701	3000001 ~	
AF 35-105/3.5-4.5S	JAA 73001	2000001 ~ 2086993	Completed in April '87
AF 35-135/3.5-4.5S	JAA 73101	200500 ~	To be completed in Dec.'87
AF 70-210/4S	JAA 72801	200001 ~ 421310	Completed in April '87
AF 70-210/4-5.6S	JAA 73201	200001 ~	From Aug. '87
AF 80-210/2.8S	JAA 73501	200001 ~	From Nov. '87
AF 35-135/3.5-4.5S	JAA 73601	300001 ~	
AF 75-300/4.5-5.6S	JAA 73811	200001 ~	

F A A 2 4 0 5 1 - R . 3 2 8 2 . A  
F A A 2 5 0 5 1 - R . 3 2 8 1 . A

(2) Available AiP lens

[illegible]

(3) Available AIS lens

Lens	Order No.	Serial No.	Remarks
Pisheye 6/2.8S	JAA 60103	629001 ~	
Pisheye 8/2.8S	JAA 60403	243001 ~	
Pisheye 16/2.8S	JAA 60702	185001 ~	
13/5.6S	JAA 10102	175901 ~	
15/3.5S	JAA 10302	180001 ~	
18/3.5S	JAA 10501	180051 ~	
20/2.8S	JAA 10801	200001 ~	
20/3.5S	JAA 10702	210001 ~ 238647	Completed in September '84
24/2S	JAA 10902	200001 ~	
24/2.8S	JAA 11003	700001 ~	
28/2S	JAA 11103	575001 ~	
28/2.8S	JAA 11202	635001 ~	
28/3.5S	JAA 10403	2100001 ~ 2139599	Completed in March '83
35/1.4S	JAA 11504	430001 ~	
35/2S	JAA 11602	210001 ~	
35/2.8S	JAA 11803	521001 ~	
50/1.2S	JAA 00302	250001 ~	
50/1.4S	JAA 00106	5100001 ~	
50/1.8S	JAA 00701 (20PL51N)	2050001 ~ 2268017	Completed in October '82
50/1.8S	JAA 00603	4000001 ~	
85/1.4S	JAA 30301	179091 ~	
85/2S	JAA 30202	270001 ~	
105/1.8S	JAA 30601	179091 ~	
105/2.5S	JAA 30503	890001 ~	
135/2S	JAA 30702	201001 ~	
135/2.8S	JAA 30802	900001 ~	Completed in October '87
135/3.5S	JAA 31003	290001 ~ 309973	Completed in March '83



Lens	Order No.	Serial No.	Remarks
ED 180/2.8S	JAA 31102	380001 ~	
ED 200/2S (IF)	JAA 31202	178501 ~ 179160	Completed in March '86
ED 200/2S (IF) NEW	JAA 31203	200001 ~	
200/4S	JAA 31301	900001 ~	
ED 300/2S (IF)	JAA 31401	182121 ~	
ED 300/2.8S (IF)	JAA 31502	609001 ~ 614751	Completed in October '85
ED 300/2.8S (IF) NEW	JAA 31503	620001 ~	
ED 300/4.5S (IF)	JAA 31802	210001 ~	
300/4.5S	JAA 31603	550001 ~	
ED 400/2.8S (IF)	JAA 50502	287601 ~	
ED 400/3.5S (IF)	JAA 50102	181501 ~	
ED 400/5.6S (IF)	JAA 50502	287601 ~	
ED 600/4S (IF)	JAA 50702	178001 ~ 178982	Completed in October '85
ED 600/4S (IF) NEW	JAA 50703	200001 ~	
ED 600/5.6 (IF)	JAA 50902	178501 ~ 179647	Completed in October '85
ED 600/5.6S (IF) NEW	JAA 50903	200001 ~	
ED 800/5.6S (IF)	JAA 51701		
ED 800/8S (IF)	JAA 51102	179001 ~ 179857	Completed in February '87
ED 1200/11S (IF)	JAA 51402	179001 ~ 179366	Completed in June '85

Lens	Order No.	Serial No.	Remarks
25-50/4S	JAA 70202	201001 ~ 217906	Completed in July '83
28-50/3.5S	JAA 72001	183021 ~	
28-85/3.5-4.5S	JAA 72601	200001 ~	
35-70/3.5S	JAA 70401	821001 ~ 979539	Completed in May '86
35-70/3.5-4.5S	JAA 72201	2000001 ~	
35-105/3.5-4.5S	JAA 71301	1820701 ~	Completed in July '87
35-135/3.5-4.5S	JAA 72301	200001 ~	Completed in September '87
35-200/3.5-4.5S	JAA 72501		
50-135/3.5S	JAA 71901	811001 ~ 842525	Completed in October '84
BD 50-300/4.5S	JAA 70802	183001 ~	
BD 80-200/2.8S	JAA 71201	181091 ~ 182629	Completed in May '85
80-200/4S	JAA 71101	180081 ~	
100-300/5.6S	JAA 72101	183051 ~	
BD 180-600/8S	JAA 71402	174701 ~	
BD 200-400/4S	JAA 71701	182121 ~	Completed in August '85
200-600/9.5S	JAA 71502	305001 ~ 305525	Completed in August '83
BD 360-1200/11S	JAA 71602	174701 ~ 174781	Completed in March '85
Micro 55/2.8S	JAA 61602	179041 ~	
Micro 105/4s	JAA 61703	232001 ~ (completed)	
Micro 105/2.8S	JAA 61901	182061 ~	
Micro 200/4S (IP)	JAA 61802	200001 ~	
Noct 58/1.2S	JAA 61202	185001 ~	

Lens	Order No.	Serial No.	Remarks
E 28/2.8	JAA 11301 20FLB28	1790601 ~ (completed)	For export
E 28/2.8 NEW	JAA 11302	1940001 ~	For export
E 35/2.5	JAA 11701 20FLB35	1780801 ~ (completed)	
E 35/2.5 NEW	JAA 11702	1920001 ~ (completed)	
E 50/1.8	JAA 10601 20FLB50	1055001 ~ (completed)	For export
E 50/1.8 NEW	JAA 00602	1900001 ~	For export
E 100/2.8	JAA 30401 20FLB100	1780701 ~ (completed)	
E 100/2.8 NEW	JAA 30402	1930001 ~	
E 135/2.8	JAA 30901	1800301 ~	For export
E 36-72/3.5	JAA 71501	1800701 ~ (completed)	
E 75-150/3.5	JAA 70901 20FLB275	1790801 ~ (completed)	
E 75-150/3.5 NEW	JAA 70902	1890001 ~ (completed)	
E 70-210/4	JAA 71801	1810801 ~	
50/1.8S M	JAA 00502	3135001 ~	For export
UV 105/4.5S	JAA 62001	200001 ~	

(4) Available Al lens

Lens	Order No.	Serial No.	Remarks
Pisheye 6/2.8	* 20FL5	628030 ~ 629000	
Pisheye 8/2.8	* 20FL8B	241075 ~ 243000	
Pisheye 16/3.5	* 20FL16K	290001 ~	Non-S
Pisheye 16/2.8	* 20FL16N	178051 ~ 185000	
13/5.6	* 20FL13	175501 ~ 175900	
15/3.5	20FL15B	177051 ~ 180000	
15/5.6	* 20FL15K	350001 ~	Non-S
18/4	* 20FL18K	177388 ~	Non-S
20/3.5	20FL20N	176121 ~ 210000	
20/4	* 20FL21K	130001 ~	Non-S
24/2	20FL25N	176021 ~ 200000	
24/2.8	20FL24N	525001 ~ 700000	
28/2	* 20FL29K	450001 ~ 575000	
28/2.8	* 20FL27K	430001 ~ 635000	
28/3.5	20FL74N	1760201 ~ 2100000	
35/1.4	* 20FL37K	400001 ~ 430000	
35/2	* 20FL36K	920001 ~ 193574	
35/2.8	20FL35N	350001 ~ 521000	
	20FL38K	850001 ~	
50/1.2	20FL52	177051 ~ 250000	
50/1.4	* 20FL50N	3940001 ~ 5100000	
50/1.8	20FL51	1760801 ~ 3135000	
50/2	* 20FL3K	3500001 ~	Non-S
55/1.2	* 20FL55K	400001 ~	Non-S
85/2	20FL86N	175111 ~ 270000	
105/2.5	* 20FL105K	740001 ~ 890000	
135/2	* 20FL137K	190001 ~ 2010000	
135/2.8	* 20FL135N	770001 ~ 900000	
135/3.5	20FL136N	193501 ~ 290000	

Lens	Order No. o.	Serial No.	Remarks
180/2.8	* 20FL180C	360001 ~ 380000	
200/4	* 20FL202K	710001 ~ 900000	
ED 200/2	20FLS203	176111 ~ 178500	
300/4.5	* 20FL300K	510001 ~ 550000	
ED 300/4.5	* 20FLS302K	190001 ~ 190968	
ED 300/4.5 (IF)	20FLS303	200001 ~ 215000	
ED 300/2.8 (IF)	20FLS301N	605101 ~ 609000	
ED 400/5.6	* 20FLS401K	261178 ~ 280000	
ED 400/5.6 (IF)	20FLS403	280001 ~ 287600	
ED 400/3.5 (IF)	20FLS402NA	176091 ~ 181500	
ED 600/4 (IF)	20FLS604	176121 ~ 178000	
ED 600/5.6 (IF)	20FLS603NA	176091 ~ 178500	
ED 800/8 (IF)	20FLS803	178041 ~ 179000	
ED 1200/11 (IF)	20FLS1203	178051 ~ 179000	
28-45/4.5	* 20FLZ9K	210001 ~	Non-S
25-50/4	20FLZ25	178041 ~ 201000	
35-70/3.5	20FLZ35	760701 ~ 913527	
43-86/3.5	* 20FLZ12K	810001 ~	Non-S
80-200/4.5	* 20FLZ8K	270001 ~ 760800	
80-200/4.5	20FLZ80	760801 ~ 821000	
50-300/4.5	* 20FLZ6K	780001 ~	
ED 50-300/4.5	20FLZ13N	175111 ~ 183000	
Micro 55/2.8	20FL19N	179041 ~	
Micro 55/3.5	* 20FL19K	940001 ~	
Micro 105/4	* 20FL91K	186956 ~ 232000	
Micro 200/4	20FL204	178021 ~ 200000	
Noct 58/1.2	20FL58N	172011 ~ 185000	

Note: Lenses with " \* " mark may not be usable if their serial numbers are old even though their order numbers are identical. Please refer to product serial numbers before making orders.

(5) Available special purpose lens

Lens	Order No.	Serial No.	Remarks
PC 28/4	* 20FL28SK	174041 ~ (completed)	Modification is required for product with serial Nos. earlier than 180900.
PC 28/4 NEW	20FL28SN	~ (completed)	
PC 28/3.5	JAA 61101	179121 ~	
PC 35/2.8	20FL34S	851001 ~ (completed)	Modification is required for product with serial Nos. between 851001 and 906200.
PC 35/2.8	20FL34SK	900001 ~ (completed)	
PC 35/2.8 NEW	20FL34SN	~ (completed)	
PC 35/2.8	JAA 61002	179091 ~	
Reflex 500/8	20FL501	501001 ~ 530000 (completed)	
Reflex 500/8 ©	20FL501C	530001 ~ (completed)	
Reflex 500/8	JAA 50601	~ (completed)	
Reflex 500/8 NEW	JAA 50602	183201 ~ (completed)	
Reflex 1000/11	20FL1000	111001 ~ 140000 (completed)	Modification is required for product with serial Nos. between 142361 and 143000.
Reflex 1000/11 ©	20FL1000C	140001 ~ 142360 (completed)	
Reflex 1000/11 ⊗	20FL1000K	142361 ~ (completed)	
Reflex 1000/11	JAA 51201	~	
Reflex 2000/11	20FL2000	200111 ~ 200210 (completed)	Modification is required for product with serial Nos. earlier than 200310.
Reflex 2000/11 ©	20FL2000C	200211 ~	
Reflex 2000/11	JAA 51501	~	
Medical 120/4	JAA 61401	180041 ~	

(6) Available Ai modified lens

Lens	Order No.	Serial No.	Marks
Fisheye 6/2.8	20FL5 °	628001 ~ 628029	
Fisheye 8/2.8	20FL8B°	230011 ~ 241074	
Fisheye 16/2.8	20FL16+20FL16K°	272281 ~ 290000	
13/5.6	20FL13°	175021 ~ 175500	
15/5.6	20FL15+20FL15K°	321001 ~ 350000	
18/4	20FL18K °	173111 ~ 177387	
20/3.5	20FL20°	421241 ~ 480633	
20/4	20FL21K °	103001 ~ 130000	
24/2.8	20FL24+24C+24K	242821 ~ 525000	
28/2	20FL29+20FL29K°	280001 ~ 450000	
28/2.8	20FL27K °	382011 ~ 430000	
28/3.5	20FL74K	195531 ~ 301010	
	20FL74A+20FL74C	625611 ~ 999999	
35/1.4	20FL37+20FL37K°	350001 ~ 400000	
35/2	20FL36+36A+36C+36K°	690101 ~ 920000	
35/2.8	° 20FL35A °	255311 ~ 263598	
	20FL38K °	773111 ~ 850000	
50/1.4	20FL50A+50C+50K+50N °	532011 ~ 3940000	
50/2	20FL3A+3C+3K°	742111 ~ 3500000	
55/1.2	° 20FL55+55C+55K°	184711 ~ 400000	
85/1.8	° 20FL85+85C+85K	219901 ~	Non-AI
105/2.5	° 20FL18A+105+105C+105K °	234011 ~ 740000	
135/2	20FL137K°	175011 ~ 190000	
135/2.8	° 20FL135A+1351C+135K+135N°	189311 ~ 770000	
135/3.5	20FL136C+136k	111111 ~ 193500	
	° 20FL25A+20FL136	831211 ~ 1000000	
180/2.8	20FL180+20FL180C°	312011 ~ 360000	
200/4	° 20FL200A+201+201C+202K°	304411 ~ 710000	
300/4.5	° 20FL300+300K°	326511 ~ 510000	
ED 3004/5	20FLS302K °	173101 ~ 190000	

Note: " ° " marks at the end of order numbers indicate that modified products with the same order numbers are included.

Lens	Order No. o.	Serial No.	Remarks
400/5.6	20PLS401	256031 ~	Non-AI
ED 400/5.6	20PLS401K *	260001 ~ 261177	
28-45/4.5	20PLZ9K *	174011 ~ 210000	
43-86/4.5	20PLZ5+Z5C+Z12K *	438611 ~ 810000	
80-200/4.5	20PLZ8+Z8C+Z8K*	101911 ~ 270000	
85-250/4	20PLZ1C	184771 ~	Non-AI
50-300/4.5	20PLZ6+Z6K*	740101 ~ 780000	
Micro 55/3.5	* 20PL19A+19C+19C2 +19K*	238011 ~ 940000	
Micro 105/4	20PL91K *	174011 ~ 186955	
GN 45/2.8	20PL45+45C	710101 ~	Non-AI

Note: " \* " marks at the end of order numbers indicate that partially modified products are included. Refer to product serial numbers.



FAA24051-R. 3282. A  
FAA25051-R. 3281. A

(7) Available teleconverter

Lens	Order No.	Serial No.	Remarks
AiS TC-14AS	JAA 90401	182111 ~	
AiS TC-14BS	JAA 90302	191001 ~	
AiS TC-14CS	JAA 90501	283051 ~	Dedicated for BD 300/2 (IF)
AiS TC-201S	JAA 90103	327001 ~	
AiS TC-301S	JAA 90203	201001 ~	
AiS TC-14	20PLA14	176121 ~	
AiS TC-200	20PL200A	176051 ~	
AiS TC-300	20PL300A	176041 ~	

## 2. Unavailable lens

Lenses other than listed above are not usable.

The following are lenses to which special care should be taken.

- (1) Rear end of the following old lenses interferes with main mirror and the body is damaged.

(These old lenses are not recommended in this respect.)

Pisheye 6mm f/5.6      656001 or after all others

Pisheye DP 10mm f/5.6    180011 or after all others

- (2) Old lenses (those prior to Ai lenses, except modified Ai lenses) interfere with F-Po coupling ring (not swing-up type) of body, and the F-Po coupling ring is damaged.

- (3) Aperture ring of the following lenses interfere with F-Po coupling ring, and the body may be damaged.

*200 - 600mm f/9.5	280001 - 300490**
*ED 180-600mm f/8	174041 - 174166**
*ED 360-1200mm f/11	174031 - 174087**
*400mm f/5.6 + focusing unit AU-1	For all lenses
*600mm f/5.6 + focusing unit AU-1	For all lenses
PC 28mm f/4	174041 - 180900
PC 35mm f/2.8	851001 - 906200
Reflex 1000mm f/11	142361 - 143000
Reflex 2000mm f/11	200111 - 200310

The above mentioned lenses will be usable with some modification and repair. But lenses attached with "\*" are not usable because stop-down by preview button of the body and coupling of exposure meter by metering are necessary. (But they work if used in M without using exposure meter.)

\*\*The following three lenses may not be used even through they are in the attachable range.

200-600mm f/9.5	280001 - 301922**
ED 180-600 f/8	174041 - 174180**
ED 360-1200mm f/11	174031 - 174127**

- (4) Following lens is not usable due to the lack of sync terminal on F-601 and F-601M.

Medical 200mm f/5.6 104011 or after all others.

But usable when hot shoe adapter (AS-15) is used together (in M mode).

- (5) The following teleconverter for F3AF is not usable.

AF TC-16S

200001 and after all others

- (6) The following teleconverter is not usable due to lack of Ai coupling capability.

TC-1

175121 and after all others

TC-2

175071 and after all others

- (7) Lenses for F3AF

To prevent malfunction, never use the following lenses

AF Nikkor 80mm f/2.8S (for F3AF)

AF Nikkor ED 200mm f/3.5S (IF) (for F3AF)

### 3. List of unavailable lens

Lens	Order No.	Serial No.	Derivery	Remarks
Pisheye 6/5.6	20PL6	656001 and after all others	Feb. 1970 ~	
Pisheye 7.5/5.6	20PL7	250011 and after all others	Jan. 1966 ~	
Pisheye 8/8	20PL8	880101 and after all others	July 1962 ~	
Pisheye OP 10/5.6	20PL10	180011 and after all others	July 1968 ~	
21/4	20PL64	220111 and after all others	Nov. 1959 ~	
28/3.5	20PL74	301011~356000 (all)	Mar 1960 ~	
	20PL74A *	Part of 356001~625610	Feb. 1967 ~	※ Portion where impossible
35/2.8	20PL14	920111 and after all others	Oct. 1959 ~	
	20PL35	176910~231010 (all)	Mar. 1963 ~	
	20PL35A *	Part of 231011~255310	Feb. 1967 ~	※ ditto
50/1.4	20PL50	314101~465010 (all)	Mar. 1962 ~	
	20PL50B	465011~532010 (all)	Apr. 1966 ~	
50/2	20PL3	520101~600000 (all)	June 1959 ~	
	20PL3B	6000001 ~742110 (all)	Jan. 1964 ~	
55/1.2	20PL55*	Part of 970111~184710	Dec. 1965 ~	※ ditto
58/1.4	20PL1	148001 and after all others	Mar. 1960 ~	
85/1.8	20PL85*	Part of 188011~219900	Aug. 1964 ~	※ ditto
105/2.5	20PL18	120101~194010 (all)	June 1959 ~	
	20PL18A *	Part of 194011~234010	Dec. 1966 ~	※ ditto
105/4	20PL28	405404 and after all others	July 1960 ~	
135/2.8	20PL135	135001~163010 (all)	Dec. 1965 ~	
	20PL135A*	Part of 163011~189310	Jna. 1967 ~	※ ditto
135/3.5	20PL25	720101~795010 (all)	June 1959 ~	
	20PL25A *	Part of 795011~831210	Nov. 1966 ~	※ ditto
200/4	20PL200	169211~270010 (all)	July 1961 ~	
	20PL200A*	Part of 270011~304410	Jan. 1967 ~	※ ditto
300/4.5	20PL300 *	Part of 304501~326510	July 1964 ~	※ ditto
300/2.8	20PL301	603011~604010 (all)	Jan. 1972 ~	
	20PL301C	604011~605100 (all)	Oct. 1975 ~	
400/4.5	20PL400	400111~410800 (all)	Aug. 1964 ~	
	20PL400C	410801 and after all others	June 1976 ~	
600/5.6	20PL600	600111~611000 (all)	Aug. 1964 ~	
	20PL600C	611001 and after all others	Jan. 1974 ~	
ED 600/5.6	20PL602K	650001 and after all others	July 1975 ~	
ED 600/5.6 (IP)	20PLS603N	176011~176090 (all)	May 1976 ~	

Lens	Order No.	Serial No.	Derivery	Remarks
800/8	20PL800	800111~810600 (all)	Aug. 1964 ~	
	20PL800C	810601 and after all others	Aug. 1974 ~	
ED 800/8	20PL802K	850001 and after all others	July 1975 ~	
1200/11	20PL1200	120011~131400	Aug. 1964 ~	
	20PL1200C	131401~150000 (all)	Sep. 1974 ~	
ED 1200/11	20PL1202K	150001 and after all others	July 1975 ~	
85-250/4-4.5	20PLZ1	157911~ (all)	Aug. 1961 ~	
	20PLZ1B	(all)		
ED 180-600/8	20PL10K	174041 ~ 174166	Feb. 1976 ~	Available for mounting with modification
200-600/9.5-10.5	20PLZ2	170111 and after all others	Oct. 1961 ~	
200-600/9.5	20PLZ2C	280001~300000	Apr. 1971 ~	Available for mounting with modification
	20PLZ2K	300001~300000	Feb. 1976 ~	
ED 360-1200/11	20PLZ11K	174031~174087	Feb. 1976 ~	-ditto-
Reflex 500/5	20PL500	171011 and after all others	Sep. 1961 ~	
		There is possibility of interference between tripod socket vertical/horizontal conversion lock lever with external body.		
Reflex 1000/11	20PL1000K	142361~143000	Aug. 1976 ~	Available for mounting with modification
Reflex 1000/6.3	20PL67	100631 and after all others	Aug. 1964 ~	
F3AF 80/2.8S	JAA31901	182011 and after all others	Apr. 1985 ~	Malfunction
F3AF BD 200/3.5S(IP)	JAA32001	182501 and after all others	Apr. 1985 ~	Malfunction
PC 35/3.5	20PL35S	102105 and after all others	~	f-fo portions interferes
Medical 55/3.5	20PL19	171501~188100 (all)	Aug. 1961 ~	
	20PL19B	188101~211000 (all)	Mar. 1963 ~	
	20PL19A	211001~238010 (all)	Dec. 1966 ~	
Medical 200/5.6	20PL200M	104011~120010 (all)	Dec. 1962 ~	Usable when hot shoe adapter is used together.
	20PL201M	120011~125010 (all)	Oct. 1972 ~	
	20PL201MC	125011 and after all others	~	
For bellows 105/4	20PL91	910001 and after all others	Jan. 1970 ~	
For bellows 125/4	20PL89	890001 and after all others	Sep. 1968 ~	
TC-1	20PLA200	175121 and after all others	May 1976 ~	
TC-2	20PLA300	175017 and after all others	May 1976 ~	
TC-16S	JAA 90601	200001 and after all others	~	
TC-16AS	JAA 90701	(all)	~	

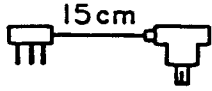
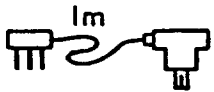
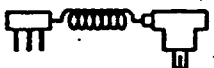

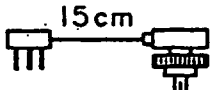
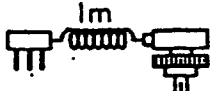
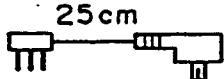
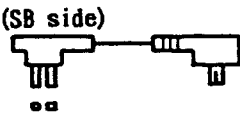
#### 4. Speedlight-related accessories

##### (1) Speedlight unit

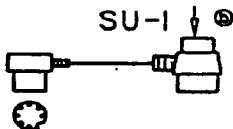
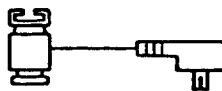
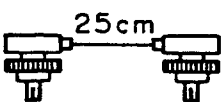
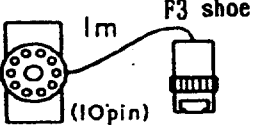
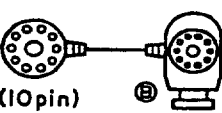
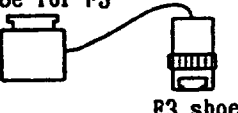
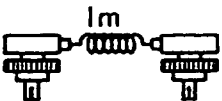
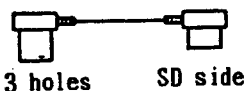
Speedlight			Ready-light on viewfinder		Shutter speed auto set	TTL flash output control	BL flash output control	Rear curtain synchro
Model	Mode	Accessories necessary	Flash is ready	Full output warning				
SB-24	TTL		Not necessary	☞	=☞= Blinks	Provided	Possible	Possible
		M	Not necessary	☞	=☞=	Provided	Possible	—
	A	Not necessary	☞	=☞=	Provided	—	—	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
	☞☞☞	Not necessary	☞	—	Provided	—	—	Not possible
SB-23	TTL	Not necessary	☞	=☞=	Provided	Possible	Possible	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
SB-22	TTL	Not necessary	☞	=☞=	Provided	Possible	Possible	Possible
	A1, A2	Not necessary	☞	=☞=	Provided	—	—	Possible
	M, MD	Not necessary	☞	—	Provided	—	—	Possible
SB-20	TTL	Not necessary	☞	=☞=	Provided	Possible	Possible	Possible
	A	Not necessary	☞	=☞=	Provided	—	—	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
SB-15 SB-16B	TTL	Not necessary	☞	=☞=	Provided	Possible	Possible	Possible
	A1, A2	Not necessary	☞	=☞=	Provided	—	—	Possible
	M, MD	Not necessary	☞	—	Provided	—	—	Possible
SB-18	TTL	Not necessary	☞	—	Provided	Possible	Possible	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
SB-21B	TTL	Not necessary	☞	=☞=	Provided	Possible	Possible	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
SB-10	A	Not necessary	☞	—	Provided	—	—	Possible
	M	Not necessary	☞	—	Provided	—	—	Possible
SB-19	FG-20, BM	Not usable						
	Other camera	Not necessary	☞	—	Provided	—	—	Possible

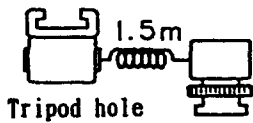
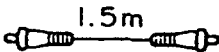
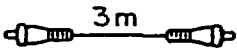
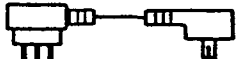
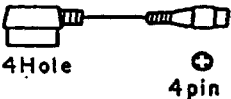
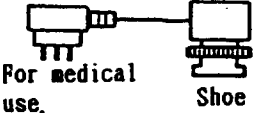
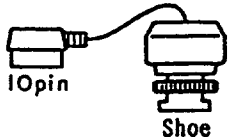
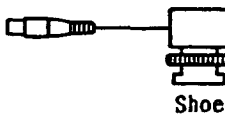
Speedlight			Ready-light on viewfinder		Shutter speed auto set	TTL flash output control	BL flash output control	Rear curtain synchro
Model	Mode	Accessories necessary	Flash is ready	Full output warning				
SB-B	EM	Not usable						
	FM • EM	Not necessary	✘	—	Provided	—	—	Possible
SB-11 SB-14 Grip type	TTL	SC-23	✘	=✘=	Provided	Possible	Possible	Possible
	A	SC-13, AS-15 and other	✘	=✘=		—	—	Possible
SB-17	TTL	AS-6	✘	=✘=	Provided	Not possible	Not possible	Possible
SB-16A	A1, A2	AS-6	✘	=✘=	Provided	—	—	Possible
	M, MD	AS-6	✘	—	Provided	—	—	Possible
SB-12	M	AS-6	✘	—	Provided	—	—	Possible
SB-21A	TTL	AS-6	✘	=✘=	Provided	Not possible	Not possible	Possible
	M	AS-6	✘	—	Provided	—	—	Possible
SB-9  SB-8 SB-4 SB-3	A	Not necessary	Non	Non	Not possible	—	—	Possible
	M	Not necessary	Non	Non	Not possible	—	—	Possible
SB-7	A	AS-2	Non	Non	Not possible	—	—	Possible
SB-2	M	AS-2	Non	Non	Not possible	—	—	Possible
SB-6	A	AS-2, SC-9, SU-1	Non	Non	Not possible	—	—	Possible
SB-5	M	AS-2, SC-9	Non	Non	Not possible	—	—	Possible
SB-1	M	AS-15	Non	Non	Not possible	—	—	Possible

(2) SC cord








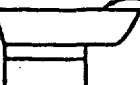
Abbreviation	Usable or not usable	Order No. / Product name	Applicable flash	Application	Configuration
SC-1	Usable in combination with AS-15  ○	20PA25C Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Developed for SB-1. Connecting between camera's sync terminal and flash unit. (No sync terminal on P-501)	
SC-2	Usable in combination with AS-15  ○	20PA25C1 Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Extended SC-1 cord.	
SC-3	Usable in combination with AS-15  ○	20PA25C3 Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Coiled SC-1 Cord.	
SC-4	Usable	20PA25C4 Ready-light connector	SB-1. 2. 3 5. 6. 7. 8. 10	Once mounted on accessory shoe of F2, sync signal and ready-light signal are connected.	
SC-5	Usable in combination with AS-15  ○	20PA25C5 PSG00301 Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Connecting between camera's sync terminal and flash unit.	
SC-6	Usable in combination with AS-15  ○	20PA25C6 Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Coiled SC-5 cord.	
SC-7	Usable in combination with AS-15  ○	20PA25C7 Sync cord	SB-1. 2. 3 5. 6. 7. 8. 10	Connecting between camera's sync terminal and flash unit.	
SC-8	Usable in combination with AS-15  ○	20PA25C8 Sync cord	For SB-4 only.	Connecting between camera's sync terminal and SB-4.	


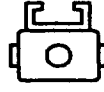






Abbreviation	Usable or not usable	Order No. / Product name	Applicable flash	Application	Configuration
SC-9	Usable (with AS-2 together) ○	30FA25C9 PSG00701 Sensor remote cord	SB-5, 6	Connecting between sensor terminals of SB-5, SB-6 and accessory shoe of F2 type camera. SU-1 can be mounted on top side of portion (B).	
SC-10	Usable in combination with AS-15 ○	30FA29C PSG00901 Sync cord	All flash (Usable in combination with AS-15 for flash for P series)	Connecting to sync terminal of camera with no hot shoe provided.	
SC-11	△	PSG01401 Sync cord	SB-11, 12, 14, 15, 16, 17, 20, 140	Connecting between sync terminal of camera and flash, or between flashes. (Developed for SB-11)	
SC-12	△	PSG01201 TTL remote cord	SB-11, 14, 140	Connecting between F3 and SB-11, 14 making possible TTL auto flash output.	
SC-13	○	PSG01301 Sensor remote cord	SB-11, 14, 140	Connecting the part (B) on camera accessory shoe with SU-2 to make external auto flash output possible.	
SC-14	△	PSG01401 TTL remote cord	SB-16A, 12, 17	Separating SB-16A from F3 to make TTL auto flash output possible.	
SC-15	△	PSG01501 Coiled sync cord	SB-11, 12, 14, 15, 16, 17, 20	Coiled version of SC-11.	
SC-16	○	PSG01701 Power cord	SB-11, 14, 20	Connecting between flash and battery power pack SD-6, 7.	

Abbreviation	Usable or not usable	Order No. Product name	Applicable flash	Application	Configuration
SC-17	○	PSG01801 TTL remote cord	SB-15, 16B, 18, 20	Separating flash from camera to make TTL auto flash output possible. Two multiflash terminals are provided.	 1.5m Tripod hole
SC-18	○	PSG01901 TTL multiflash sync cord	(AS-10 is required.) SB-15, 16, 17, 18, 20	Connecton cord for multiflash.	 1.5m
SC-19	○	PSG02001 TTL multiflash sync cord	(AS-10 is required.) SB-15, 16, 17, 18, 20	Extended cord of SC-18.	 3m
SC-20	Usable in combination with AS-15 ○	1B060-016 2-pin sync cord	Medical 120/4(IP)	Connecting between sync terminal of Medical and that of camera.	 For medical use.
SC-21	○	1B0609-017-1 Power cord	Medical 120/4(IP)	Connecting between power connector of Medical and LA-2, LD-2.	 4Hole 4pin
SC-22	○	1B060-028 3-pin sync cord	Medical 120/4(IP)	Alternative cord of SC-20 for camera with no sync terminal provided.	 For medical use. Shoe
SC-23	○	PSG02101 TTL remote cord	SB-11, 14 140	Connecting between cameras (F-301, P-501, FA, FB2, FG) with TTL function and flashes as described in the left column.	 10pin Shoe
SC-24	×	PSG02201 For multiflash		Cord for converting F4 sync terminal to connect to accessory shoe.	 Shoe

(3) AS adapter

Abbreviation	Usable or not usable	Order No. Product name	Applicable flash	Application	Configuration
AS-1	Not applicable	20FA11G FSW51501  Flash unit coupler	SB-10, 15, 16B, 19, E, 20	For F2 series,	 Hot shoe (X) For F2
AS-2	○	32FA13 FSW51601  Flash unit coupler	SB-7	Attaching SB-7 on the hot shoe of camera.	 F2 shoe (X) Hot shoe
AS-3	Not applicable	FSW50601  Flash unit coupler	SB-7	Attaching SB-7 on F3 camera.	 F2 shoe (X) For F3 shoe
AS-4	Not applicable	FSW50701  Flash unit coupler	SB-10, 15 16B, 19, E 20	Attaching flashes as shown in the left column on F3 camera.	 Hot shoe (X, Ready) For F3 shoe
AS-5	Not applicable	FSW51101  Flash unit coupler	SB-16A, 17 12	Attaching flashes as shown in the left column on F2 camera.	 F3 shoe (X) For F2 shoe
AS-6	○	FSW51201  Flash unit coupler	SB-16A, 17 12	Attaching flashes as shown in the left column on the hot shoe of camera.	 F3 shoe (X, Ready) For hot shoe
AS-7	Not applicable	FSW51701  Flash unit coupler	SB-16A, 17, 12, 15, 16B 19, E, 20, 11, 14	Permits you to replace film cartridge or rewind film while attaching flashes as shown in the left column on F3.	 Hot shoe F3 shoe For F3 shoe
AS-8	△	FSW51901  SB-16 controller	SB-16	Connecting between SB-16 unit and F3 camera. (16A: SB-16 unit + AS-8)	 SB-16 unit For F3 shoe

Abbreviation	Usable or not usable	Order No. Product name	Applicable flash	Application	Configuration
AS-9	○	PSW52001 SB-16 controller	SB-16	Connecting between SB-16 unit and F-501, F-301, PA, FE2 or FG. (16B: SB-16 unit +AS-9)	 SB-16 unit For hot shoe
AS-10	○	PSW52101 TTL multiflash adapter	SB-15, 16B, 20	Use SC-18, 19 to connect additional flash prior to flash or SC-17.	 Accessory shoe (4 contacts) Multiflash terminal *3 Tripod socket
AS-11	○	PSW52201 Tripod adapter	SB-16A, 17	(Same as above)	 For P3 shoe Tripod socket
AS-12	△	PSW52701 Micro speedlight controller	SB-21 (SB-21 + AS-12 = SB-21A)	Controlling SB-21 unit (flash head). For P3. Attaching AS-12 on camera.	 External power connector Power selection SW Connector (8 pins) for flash head For P3 shoe
AS-13	—	Blank	—	—	
AS-14	○	PSW52801 Micro speedlight controller	SB-21 (SB-21 + AS-14 = SB-21B)	Controlling SB-21 unit (flash head). For F-501, F-301, PA, FE2, and FG. Use a connector to connect to SB-21 after attaching AS-14 to accessory shoe of camera.	 Ready-light Flash mode selector SW Over-change warning lamp For hot shoe
AS-15	○	Hot shoe adapter	—	Attaching to camera with no sync terminal provided, using sync terminal of AS-15.	 Sync terminal For hot shoe

## 5. Shutter release-related accessories

Abbreviation	Usable or not usable	Order No./ Product name	Remarks
AR-1	×	20FA61 FWM00401 Soft shutter	Putting on covered type shutter release button. (P2, PE)
AR-2	(Usable in combination with AR-8)  △	20FA60 FWM00501 Cable release	For cameras with covered-type shutter release button. (P2, PE) Take care interference between shutter release portion and lens when used with F-801 (though MR-1 or MR-2 is necessary.)
AR-3	○	31FA60B FWM00601 Cable release	For cameras (F3, FA, PE2, New FM2, FG, FG-20, EM, etc.) with taper screw shutter release button provided. MR-3 is required for use with F-801. Take care for interference between shutter release portion and lens. MC-12 is alternatively available.
AR-4	(Usable in combination with AR-8)  (△)	20FA60W FPW21601 Double release	Close-up shooting is possible at full aperture using PB-6 + AR-4. Also possible with PB-4, 5 + BR-4 + AR-4. Cameras with covered-type shutter release button (P2, PE). AR-10 is alternatively available. It is possible to attach to F-801 with MR-1, 2, but likely to interfere with bellows.
AR-6	○	FWM01101 Grip shutter release	Connecting between pistol grip and taper screw-type shutter release portion. When using with F-801, MR-3 is required. Be careful with interference between shutter release (MR-3) and lens.
AR-7	○	40FA60W FPW21701  Double release	Same function as in AR-4. For cameras with taper screw-type shutter release button. It is possible to attach to F-801 with MR-3, but likely to interfere with bellows. AR-10 is alternatively available.
AR-8	○	FWM01001 Release adapter	Conversion adapter making covered-type shutter release button possible to be used with cameras with taper screw-type shutter release button.
AR-9	○	FWM01201 Soft shutter	Putting on taper screw-type shutter release button. (F3, etc.)
AR-10	×	FPW21901 Double release	Close-up shooting is possible at full aperture using F-801 + BP-6. Connecting the tip of cable for camera to the remote connector. (Electrical release)

### Adaptability with remote control accessories

Following accessories are not usable (because lack of remote terminal)

MC cord

MC-3A, MC-4A, MC-5A, MC-8A, MC-12A, MC-16A

MC-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 17S, 18

PX-1723

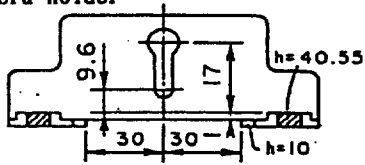
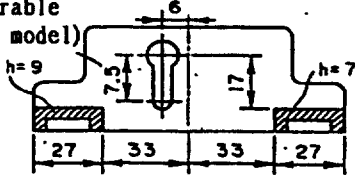
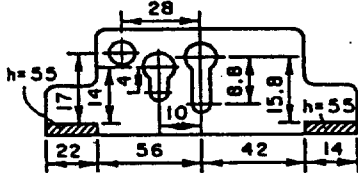
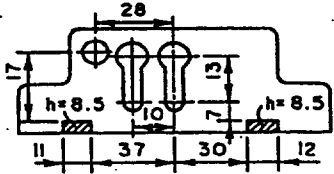
### Remote control accessories

Following accessories are not usable (because lack of remote terminal)

MT-1, MT-2, MW-1, MW-2, ML-1, ML-2, MR-1, MR-2, MR-3

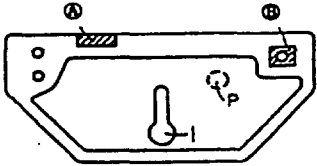
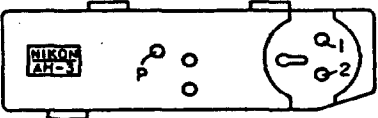
## 6. Reprocopy outfit and close-up accessories

## (1) Reprocopy outfit accessories

Abbreviation	Usable or not usable	Order No./ Product name	Remarks
PF-1	×	20PA68 Reprocopy outfit PF-1	Shape of camera holder 
PF-2	×	20PA68D PPA50101 Reprocopy outfit PF-2	Two types are available (8.5 for the other model) 
PF-3	×	20PA69 PPA50201 Reprocopy outfit PF-3	Modified from circle type supporter (PF-2) to square type. 
PF-4	○	20PA69 PPA50202 Reprocopy outfit PF-4	Supporter is common to PF-3. Camera holders only differs (function of holders of PF-3 and PH-4 are combined.) 
PH-3	Not applicable	20PA69M Camera holder PH-3	PH-3 is separately provided as a dedicated holder for cameras with MD, since the holder of PF-3 is not enough for attaching cameras with MD securely.
PH-4	○	20PA69H PPW50801 Camera holder PH-4	The holder of PF-4 is available separately as PH-4 for those who have PF-3 without buying PF-4 as: PF-3 (supporter) + PH-4 (holder) = PF-4.

Cannot be used with F-801 body alone.

(2) Reprocopy outfit auxiliary accessory

Abbreviation	Usable or not usable	Order No. / Product name	Remarks
PA-4	×	PPW50901 Camera adapter	For F-801 and F4. Attaching the body to the projectors (A) and (B), secure the body at the hole 1. Furthermore, fix the camera holder of reprocopy outfit for female screw of portion "P" on PA-4. 
AH-3	Not applicable	PRW51502 Tripod adapter AH-3	For F-501, F-301 (also usable with other motor drive)  Fix MB-4 at the hole 1, MB-3 at the hole 2, and fix reprocopy outfit with female screw of portion "P".

(3) Focusing stage

Abbreviation	Usable or not usable	Order No. / Product name	Remarks	
PG-1	○	30PA65 RPA00501	<ul style="list-style-type: none"> <li>• Optical path changes when turning 90° (approx. 4mm).</li> <li>• Optical path offsets from rail shaft (approx. 3mm).</li> </ul>	
PG-2	○	From lot number 4 of 30PA65  (May 19, 1979 ~) RPA00502	<ul style="list-style-type: none"> <li>• Optical path changes when turning 180° or 90°.</li> <li>• Optical path offsets from rail shaft.</li> <li>• When setting grip side of P-801 toward down (rail side), one PB-6D is required (for preventing interference with rail).</li> </ul>	

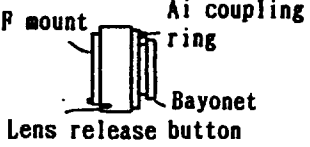
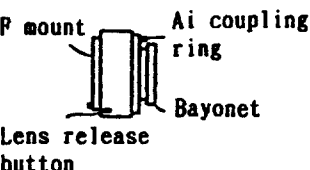
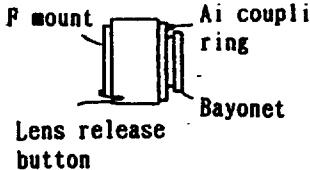
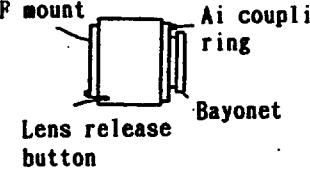
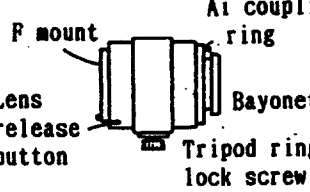
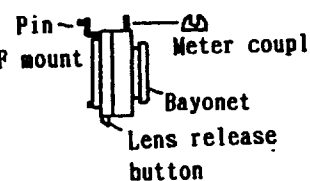


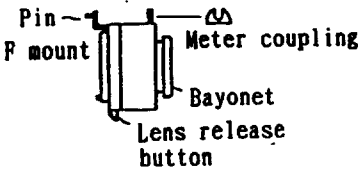
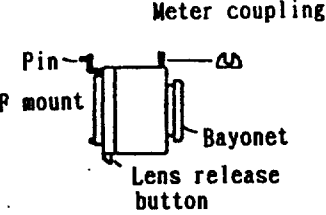
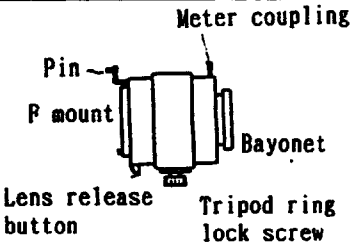
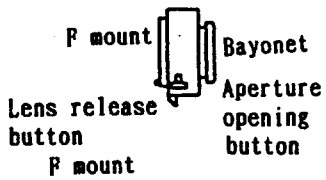

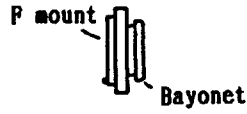
(4) Bellows





Abbreviation	Usable or not usable	Order	Horizontal position of camera		Vertical position of camera		Rotation	Remarks
			Attaching	Sliding	Attaching	Sliding		
PB-2 (Type 2)	×	20FA89	×	(Possible) Attachable at the edge surface only.	Attachable at the edge surface.		Available at the edge surface.	For stop-down metering only. For P series cameras. Two round bar type rails.
PB-3	×	20FA90	○					Mounting around hand-grip is not possible. Stop down metering only. Edge surface of holder is secured. No vertical position conversion is provided. For P-series cameras. One △ type rail.
PB-4	△	20FA91 PPA00101	△*	○	○	○	○	Stop-down metering only. For P-series cameras. Two round bar type rails
PB-5	△	20FA93 PPA00201	△*	○	○	○	○	Stop-down metering only. For P-series cameras. Two round bar type rails
PB-6	△	30FA64 PPA003AA	△*	○	○	○	○	Full aperture metering is possible. One I-type rail.



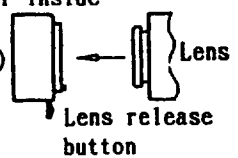
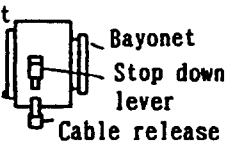
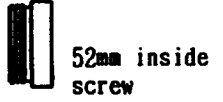
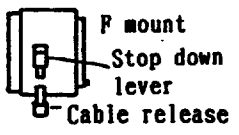
\*Note: Attaching while keeping camera in horizontal position is impossible. (Hand-grip of F-801 interferes.) You must attach after changing the PB to the vertical position, and rotating it.

(5) Rings

Abbreviation	Usable or not usable	Order No./Product name	Note	Specifications	Configuration
PK-11A	○	FPW00703 Ai auto close-up adapter ring	—	Modified type of PK-11, solved the problem of interference at contacts between AF lens and PK-11. Other specification are common to PK-11. (Available to be combined with other PK rings.)	 P mount      Ai coupling ring Bayonet Lens release button
PK-11	△	20FA35P1 FPW00702 Ai auto close-up adapter ring	Not usable when connecting to AF lens directly. (Contacts interfere. PK-11A is alternatively available.)	$\ell = 8\text{mm}$ . Ai coupling ring f-fo are provided. Combination: PK-11, PK-11 + PK-12, PK-11 + PK-13, PK-11 + PK-12 + PK-13. (Other combinations are also available.)	 P mount      Ai coupling ring Bayonet Lens release button
PK-12	○	20FA35P2 FPW00802 Ai auto close-up adapter ring	—	$\ell = 14\text{mm}$ . Ai coupling ring f-fo are provided. Combination: PK-12, PK-12 + PK-13. (Other combinations are also available.)	 P mount      Ai coupling ring Bayonet Lens release button
PK-13	○	20FA35P3 FPW00902 Ai auto close-up adapter ring	—	$\ell = 27.5\text{mm}$ . Ai coupling ring f-fo are provided. (Available to be combined with other PK rings.)	 P mount      Ai coupling ring Bayonet Lens release button
PN-11	○	20FA36 FPW01002 Auto close-up adapter ring	—	Dedicated close-up ring for Micro 105mm f/2.8 lens. Magnification: 1/2 to 1/0.88 (Micro Ai 105mm f/4 lens is also usable.)	 P mount      Ai coupling ring Bayonet Tripod ring lock screw Lens release button
PK-1	×	20FA33P1 FPW00701 Auto close-up adapter ring	Ai cannot work together. (P-Po of body may be damaged.) AF lens cannot be used. (Contacts may interfere.)	$\ell = 8\text{mm}$ . During volume production, f-fo interference was eliminated. Be sure that F-801 cannot be used due to incapability of stop-down.	 Pin      P mount      Meter coupling Bayonet Lens release button

Abbreviation	Usable or not usable	Order No /Product name	Note	Specifications	Configuration
PK-2	×	20FA33P2 FPW00801  Auto close-up adapter ring	Ai does not work together. (R-Po of body may be damaged.)	$\ell=14\text{mm}$ . Others are same as above.	
PK-3	×	20FA33P3 FPW00901  Auto close-up adapter ring	Ai does not work together. (R-Po of body may be damaged.)	$\ell=27.5\text{mm}$ Others are same as above.	
PN-1	×	20FA33P4 FPW01001  Auto close-up adapter ring	Ai does not work together. (R-Po of body may be damaged.)	Delicated close-up ring for Micro 105mm f/4 lens only. Magnification: 1/2 to life-size. Tripod socket is provided.	
B-2	△	20FA32S FPW00501  Close-up adapter ring	Manual exposure only.	$\ell=14\text{mm}$ . No data communication. Press ring button to make full aperture (for focusing).	
M-2	×	20FA19C FPW00601  Close-up adapter ring	A & M mode cannot be used.	$\ell=27.5\text{mm}$	
K-1	△	FXA10001 K1 ring	AP lens cannot be used. (Contacts interferes). It is usable with K3. "( )" as shown in right column indicates not usable.	$\ell=5.8\text{mm}$ No data communication. (K1), K3 + K2 + K1,  K3 + K4 + K2 + K1 K3 + K5 + K2 + K1 K3 + K5 + K4 + K2 + K1	

Abbreviation	Usable or not usable	Order No./Product name	Note	Specifications	Configuration
K-2	×  (△)	FXA10002 K2 ring	Due to three grooves (120°), body coupling may be damaged.  “( ) ” as shown in right column indicates not usable.	ℓ=5mm. No data communication. (K3 + K2), (K3 + K4 + K2), (K3 + K5 + K2), (K3 + K4 + K5 + K2) Usable in combination with K1 ring.	Inside screw  Bayonet
K-3	△	FXA10003 K3 ring	Combinations with other rings (except K3 + K2) are available.	ℓ=5.8mm. No data communication. Mainly used in combination with K2 ring.	P mount  Screw
K-4	△	FXA10004 K4 ring	Combination with K2 is not available. Usable in combination with K2 + K1.	ℓ=10mm. No data communication. Make sure to insert between K2 and K3 rings.	Inside screw  Screw
K-5	△	FXA10005 K5 ring	Combination with K2 is not available. Usable in combination with K2 + K1.	ℓ=20mm. No data communication. Make sure to insert between K2 and K3 rings.	Inside screw  Screw

Abbreviation	Usable or not usable	Order No /Product name	Note	Specifications	Configuration
BR-2A	△	FPW00202 Macro adapter ring		AF lens measured ring of BR-2. Specifications are common to BR-2.	52mm screw  Bayonet
BR-2	×	20FA89B FPW00201 Macro adapter ring	Due to three grooves (120°), body coupling may be damaged.	Reversely mount lens on camera body, bellows and another ring. For 52mm lens. Lens with f=85mm or longer cannot be used when mounted directly (due to out of focus.)	52mm screw  Bayonet
BR-3	○	20FA89D FPW00301 Adapter ring		Attaching to lens bayonet. Adapter for attaching filter when lens mounting reversely with BR-2A.	Filter inside P mount screw (52mm)  Lens release button
BR-4	△	20FA34 FPW00401 Auto adapter ring for bellows	AP lens cannot be used (due to interference with contacts) BR-6 + BR-2A are alternatively available.	Used in combination with bellows and AR-10. (Combination with BR-2A is also available.) Lens aperture is always full aperture unless operating stop-down lever.	P mount  Bayonet Stop down lever Cable release
BR-5	○	FTW00401 Filter diameter step-down ring	Do not use with BR-2 but with BR-2A.	When mounting 62mm (attachment size lens) reversely on camera body, convert the attachment size to 52mm using BR-5 once, then use BR-2A (for 20mm f/2.8, 35-70mm f/3.5, etc.)	62mm screw  52mm inside screw
BR-6	○	PPW01301 Auto adapter ring for Micro light.	Use with BR-2A in place of BR-4.	(1) Used as Macro light mounting attachment when lens is mounted reversely. (2) Used in combination with BR-2A in place of BR-4. Specifications are common to BR-4 in this case.	Filter inside screw (52mm)  P mount Stop down lever Cable release

## 7. Other accessories

- (1) Polarized filter (52mm, 62, ..... 72mm ) cannot be used.  
Circular polarized filter is usable.
- (2) Body cap BF-1 cannot be used. (Do not attach otherwise interferes with mount.) BF-1A is alternatively available.
- (3) Angle finder DR-3 can be used in combination with eyepiece adapter.
- (4) Magnifier DG-2 can be used in combination with adapter.
- (5) Eyepiece correction lens, eyepiece cap (for F-401, FG, EM) can be used.
- (6) Close-up lens can be used.
- (7) Cases are common to those for F-601M, F-601.  
Standard case CP-45 (FAE07601) for camera with 35-70mm lens.  
Case CP-46 (FAE07701) for camera with 35-135mm lens.

## Disassembling

Disassembling procedure chart ----- D 1

## Disassembling

## 1. Removing of front plate unit

Bottom cover ----- D 3  
 Grip cover ----- D 3  
 Flash base unit ----- D 4  
 Rewind base plate ----- D 4  
 Top cover ----- D 5  
 Unsoldering of top cover's wires ----- D 5  
 Camera back O/C cover plate ----- D 6  
 Shield FPC ----- D 6  
 Unsoldering of black wire of lug plate ----- D 6  
 Unsoldering of wires (grip side) ----- D 7  
 Unsoldering (rewind side) ----- D 7  
 Unsoldering of wires (pentaprism) ----- D 8  
 Removing of screws ----- D 8  
 Removing of front plate unit ----- D 9

## 2. Rear body

DX contact, Rewind fork ----- D 1 0  
 Film advance unit ----- D 1 0  
 Film advance mechanism unit ----- D 1 1  
 Shutter ----- D 1 1  
 Film advance SW, Rewind SW, Motor rotation reducing unit ----- D 1 2  
 Film roller ----- D 1 2  
 Small parts of rear body ----- D 1 3

3. Front plate

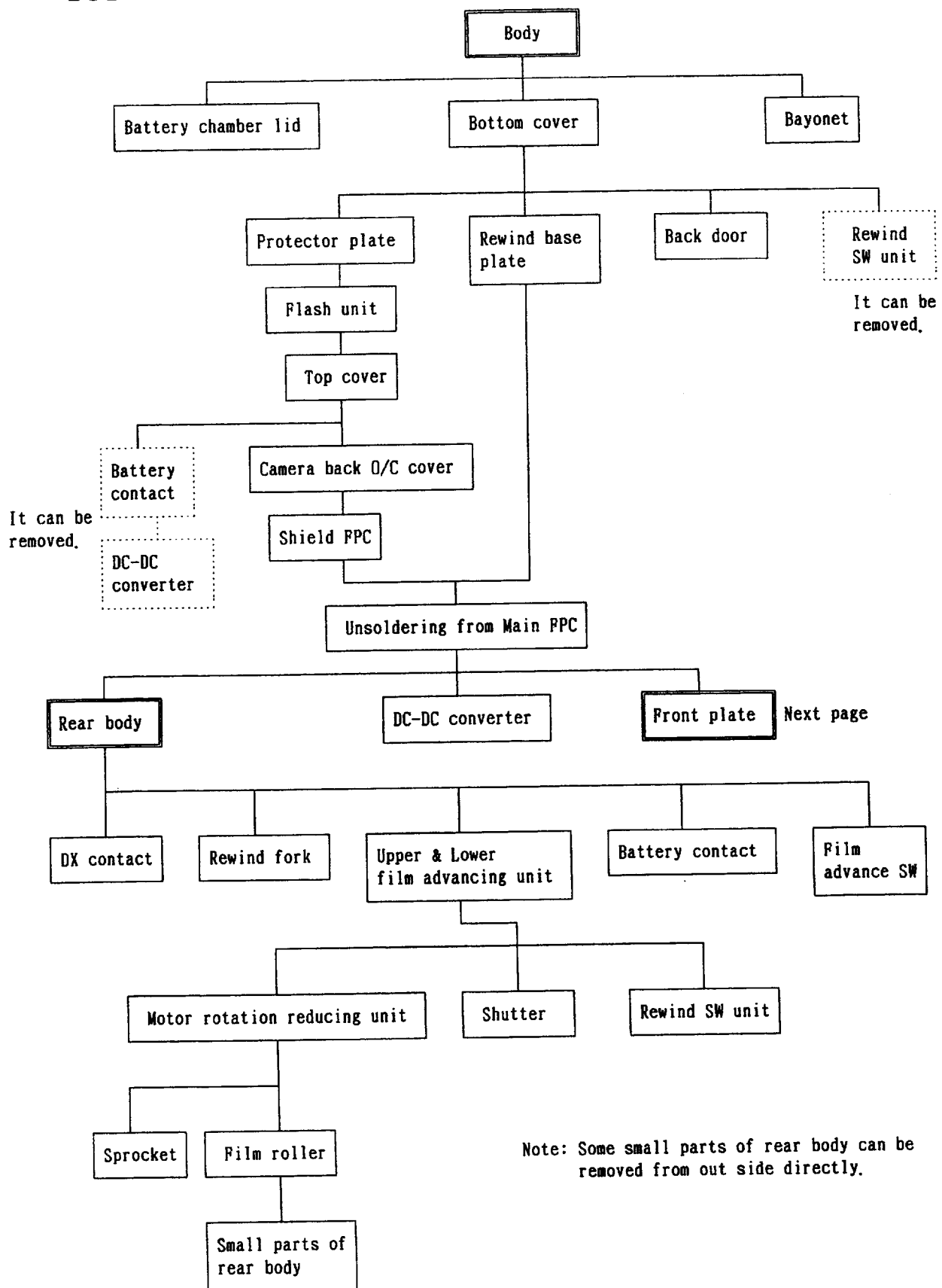
Unsoldering of wires, Removing press-contact	D 1 4
Main FPC	D 1 4
AF FPC	D 1 5
Prism box	D 1 5
Pentaprism, Screen	D 1 6
Aperture control unit, Mirror box bottom plate	D 1 7
Apron, Bayonet	D 1 7
I & L base plate	D 1 8
Disassembling of I & L base plates	D 1 8
AF driving unit	D 1 9
Lens release button	D 1 9
Lens contact, f-fo PCB	D 2 0
AF mode SW	D 2 0

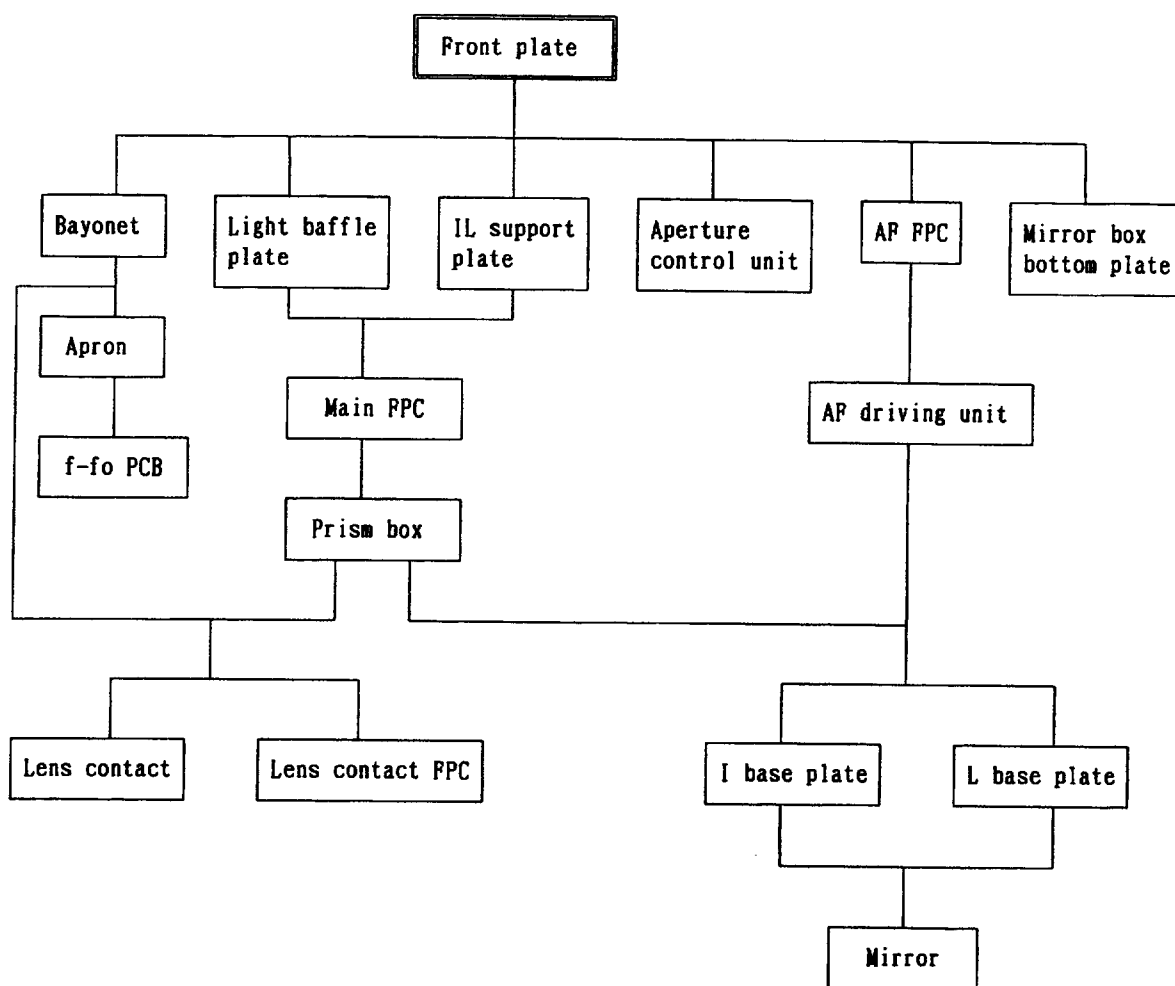
4. Other assembly parts

Top cover small parts	D 2 1
Camera back door	D 2 1
Top cover	D 2 2



# DISASSEMBLING PROCEDURE CHART





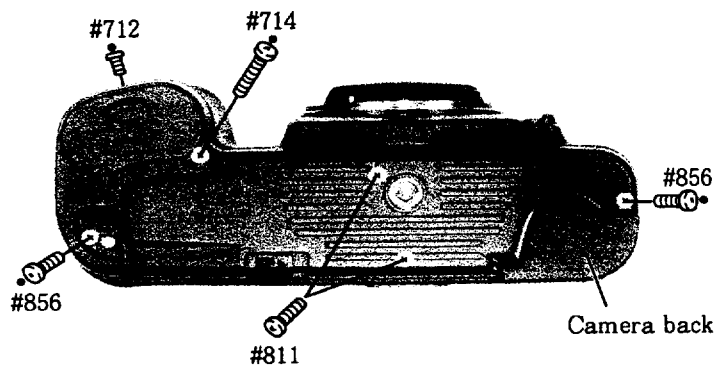
# DISASSEMBLING

## Note:

- ① Remove batteries before disassembling.
- ② When disassembling, pay close attention to the wire arrangement and mounting positions and types of screws to be removed.
- ③ Be sure you are grounded when holding main FPC because static electricity exerts serious adverse effects on ICs.
- ④ The "•" mark on the screws indicates they are tap-tight screws.
- ⑤ The tone of pictures may be different from actual one. Make sure of the shape of parts when disassembling and reassembling.

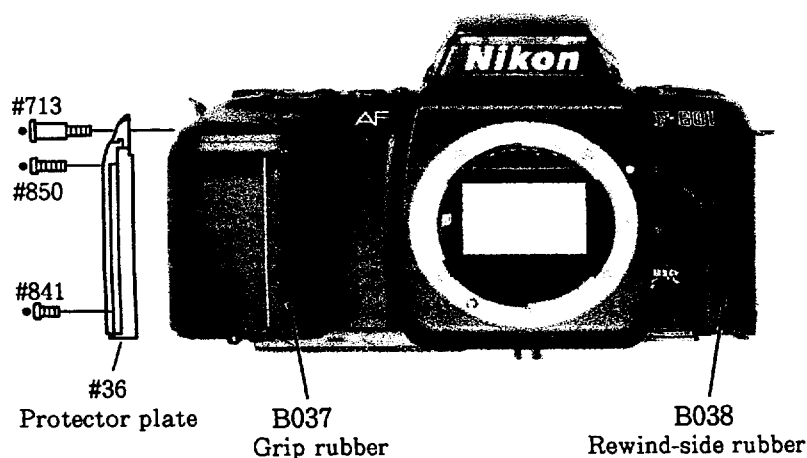
## 1. DISASSEMBLING OF REAR BODY AND FRONT PLATE

### BOTTOM COVER



- When the bottom cover is removed, discharge the main condenser.
- Remove bottom cover to detach camera back.
- There is a washer at upper shaft of camera back.

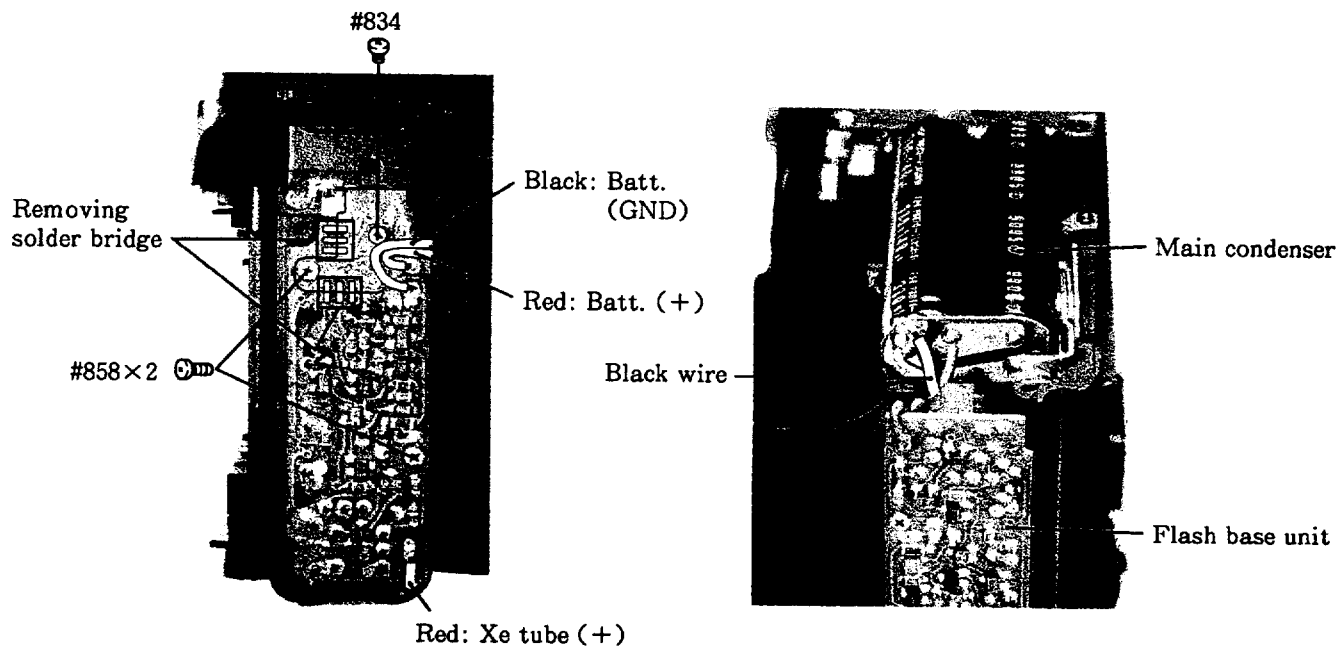
### GRIP RUBBER, PROTECTOR PLATE



Remove screw #841 after peeling grip rubber off.

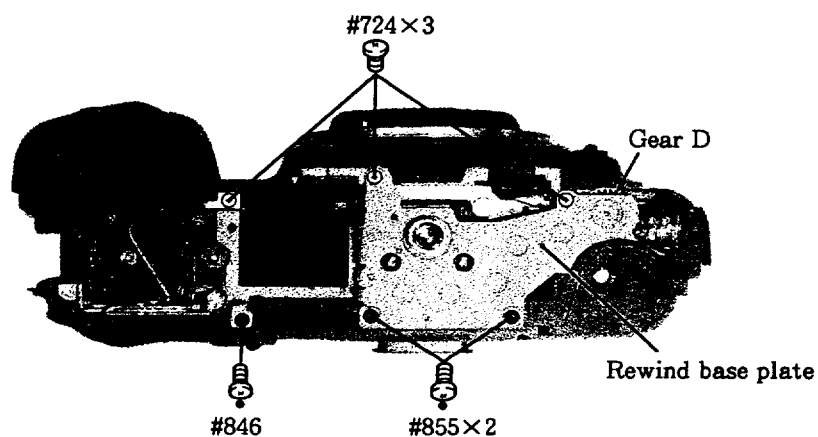
# FLASH BASE UNIT

**Note:** Be sure to discharge the main condenser.



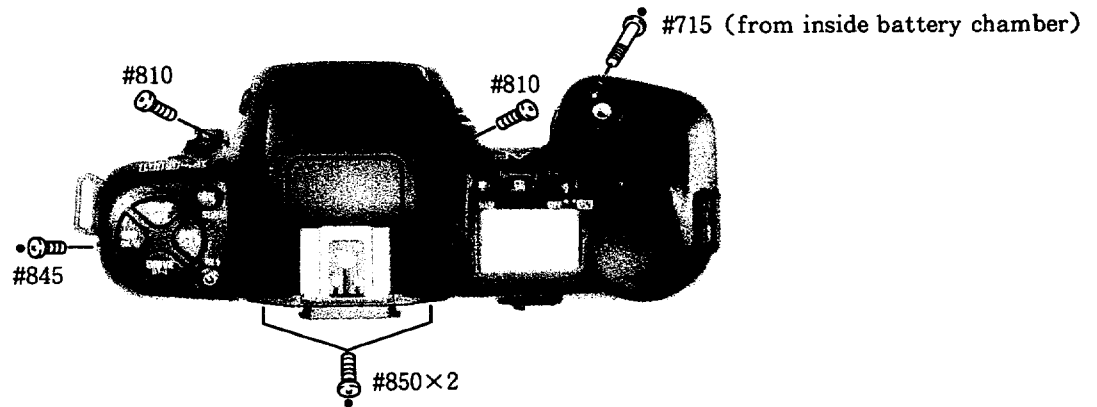
Remove only the black wire (Xe: GND) of the main condenser unit, and remove the condenser from the rewind base plate with flash base unit.

# REWIND BASE PLATE



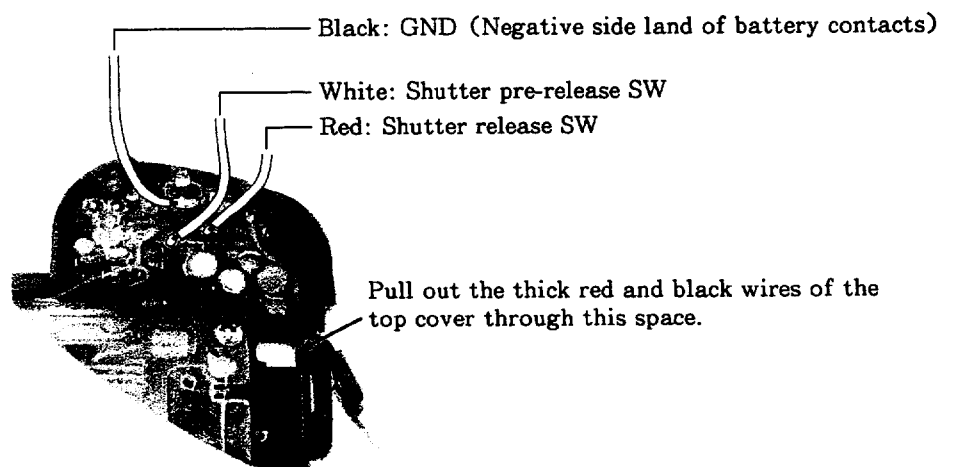
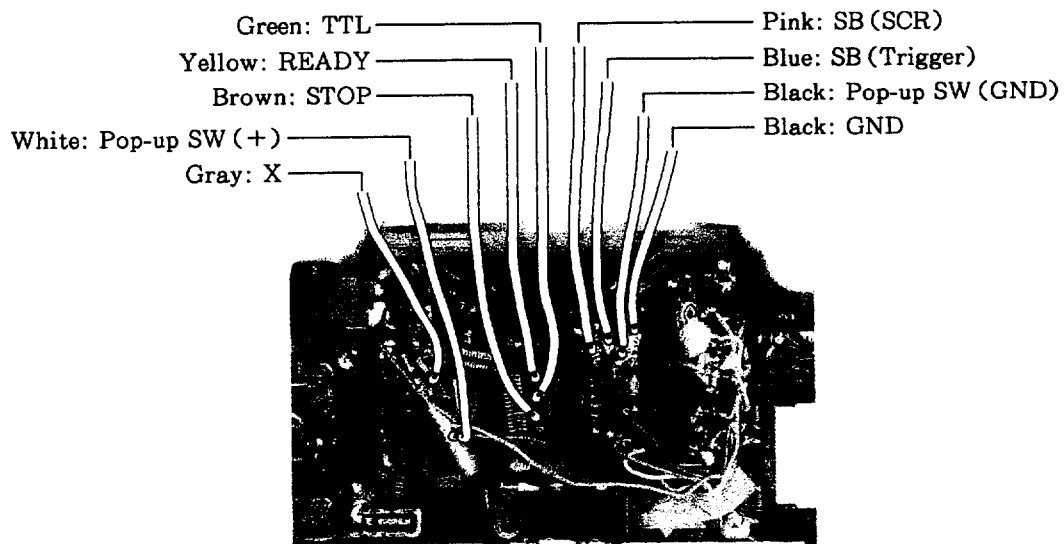
Rewind gear D #194 can be detached.

TOP COVER

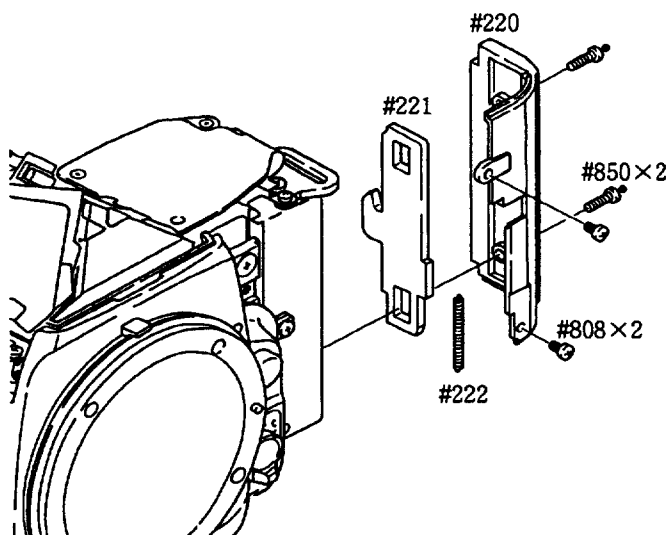


REMOVING SOLDERING OF TOP COVER WIRES

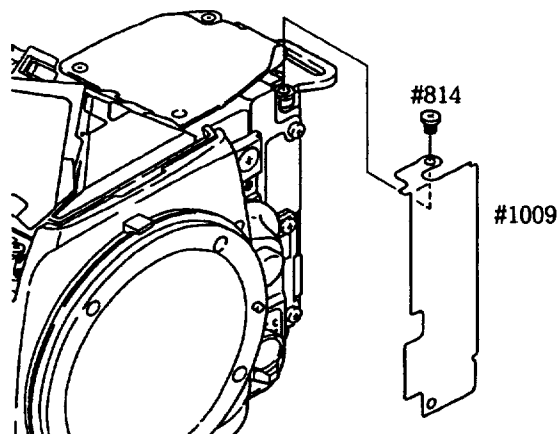
\* Peel off adhesive tape.



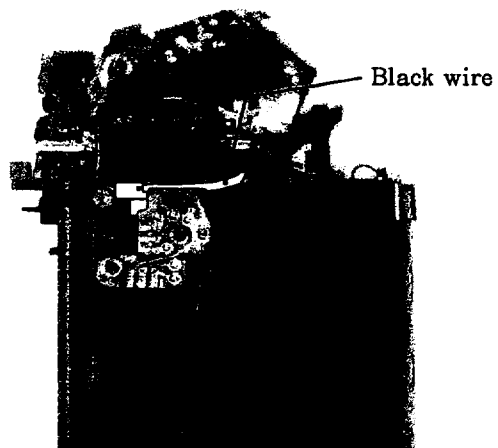
CAMERA BACK OPEN/CLOSE COVER PLATE



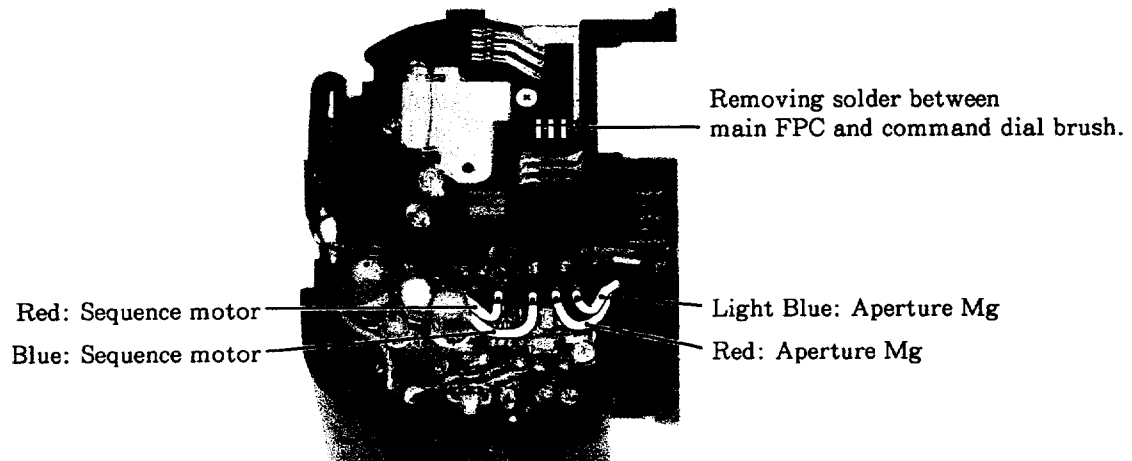
SHIELD FPC



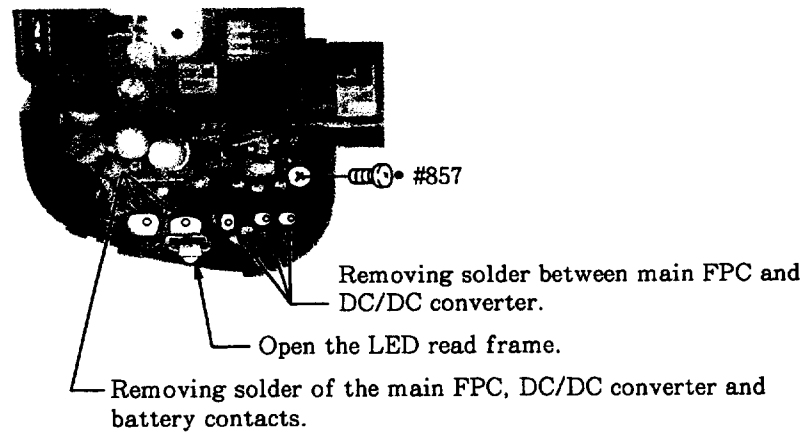
BLACK WIRE OF THE LUG PLATE AT THE HAND GRIP SIDE



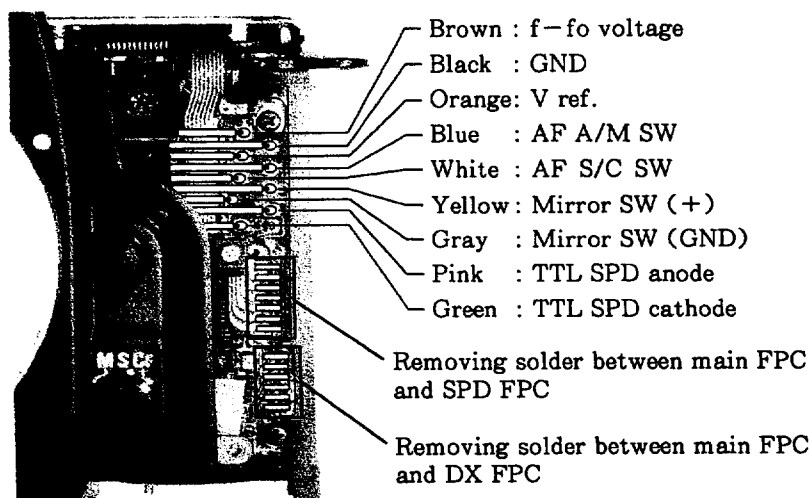
# REMOVING SOLDER ON THE UPPER PART OF HAND GRIP



**Note:** You are not required to remove red and blue wires (aperture Mg) when detaching front plate.



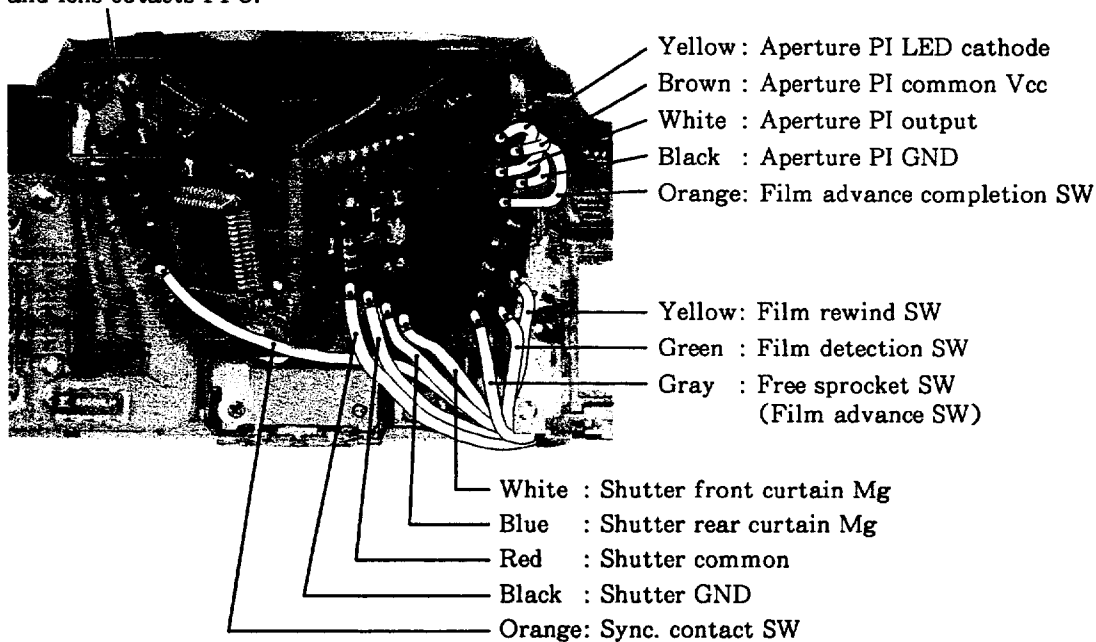
# REMOVING SOLDER ON FRONT FILM REWIND SIDE



**Note:** You are not required to remove solder all wires, between main FPC and SPD FPC when detaching front plate.

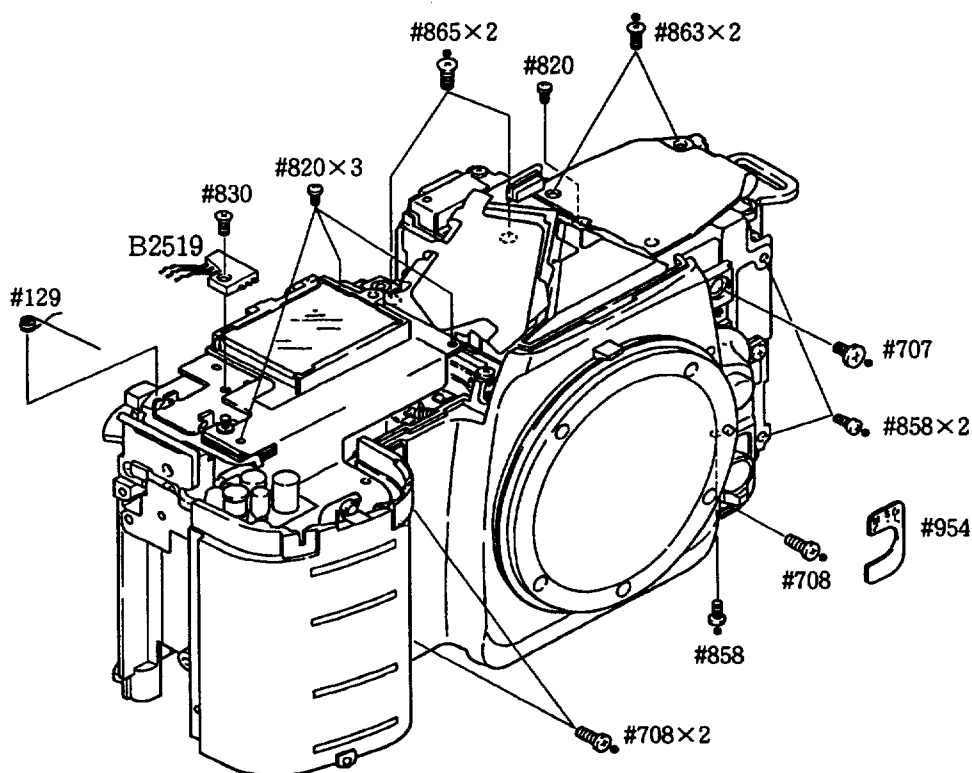
# REMOVING SOLDER ON THE UPPER PORTION OF PENTA PRISM

Removing solder between main FPC  
and lens contacts FPC.



**Note:** You are not required to remove solder between front four wires (except for orange) and between main FPC and lens contact FPC when detaching front plate.

## REMOVING SCREWS





# FAA 24051 (F-601) Correction List [P 2 / 2]

Correction	Page No.	Part Number	Additions to Part Number column
③ Add part control number to part number column.	P4	*1K116-616-1	<u>(1K116-616)</u>
	P11	*1K404-091-1	<u>(1K404-091)</u>
	P13	*1K681-039-1	<u>(1K681-039)</u>

Correction	Page No.	Part Number	Deletion in Part Number column
⑤ Delete "*" in part number column.	P13	*1K681-194	<u>*</u>

Correction	Page No.	Part Number	Correction in Part Number column
④ Correct part number in part number column.	P10	1K370-827-2	<u>1K371-663</u>

Correction	Page No.	Part Number	Deletion in remarks column
⑥ Delete common products names in remarks column.	P7	*1K201-079	<u>F-601M</u>
	P9	1K260-371	<u>F-601M</u>
		1K260-452	<u>F-601M</u>
	P10	1K277-081	<u>F-601M</u>
		1K302-044	<u>F-601M</u>
	P12	*1K630-531	<u>F-601M</u>
		*1K640-636	<u>F-601M</u>
	P13	*1K681-039-1	<u>F-601M</u>

## 展開図・部品表編

## 〔1〕 展開図

後ボディダイカスト小物部品	F 1
M減速基板	F 2
シャッター, DX接点部, R釦基板部	F 3
上・下基板部	F 4
AF駆動部	F 5
バヨネットマウント, レンズ接点	F 6
I・L基板部	F 7
プリズムボックス, 絞り制御部	F 8
メインFPC, AF FPC	F 9
上カバー部	F 10
上カバー部	F 11
外観小物部品	F 12
巻き戻し基板部, 底カバー部	F 13
裏蓋部, SB基板部	F 14

## 〔2〕 部品表

部品表	P 1
部組品表	P 21

## Exploded Drawings &amp; Parts List

## 〔1〕 Exploded Drawings

Small parts of rear body diecast	F 1
Motor rotation reducing unit, Film roller	F 2
Shutter, DX contact, Rewind SW unit	F 3
Upper & Lower film advancing unit	F 4
AF driving unit	F 5
Bayonet, Lens contact	F 6
I & L base plate	F 7
Prism box, Aperture control unit	F 8
Main FPC, AF FPC	F 9
Top cover	F 10
Top cover	F 11
External Small parts, SB PCB	F 12
Rewind base plate, Bottom cover	F 13
Back door	F 14

## 〔2〕 Parts List

Parts List	P 1
Assembly List	P 21

作成承認印

配布許可印



**Nikon F-601 AF** FAA24051

N6006 FAA24151

**F-601 AF** FAA24251  
QUARTZ DATE

PARTS LIST (REVISED-1)

修理部品表 (改訂-1)

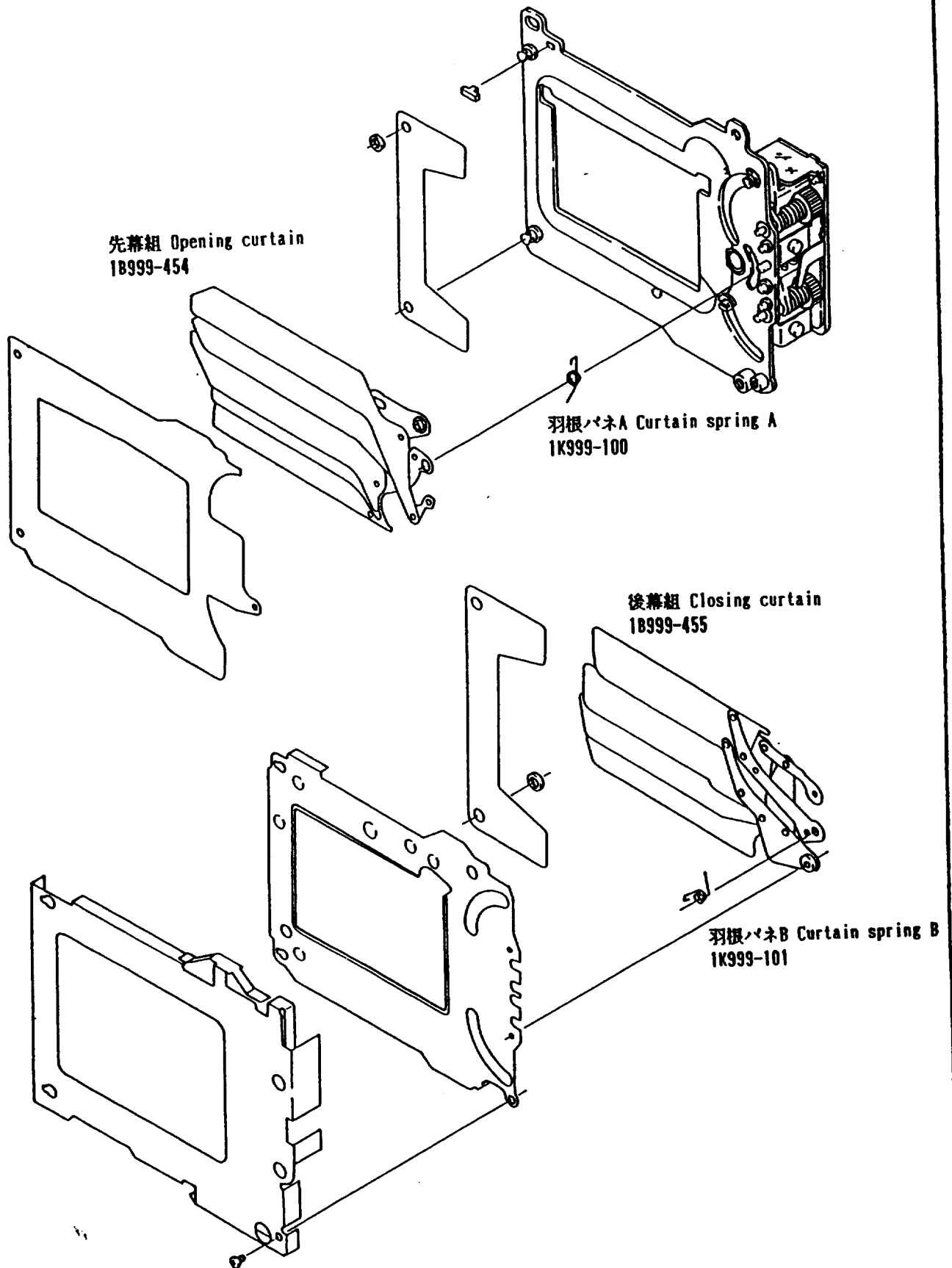
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Feb. 17. 1994

Printed in Japan February

シャッター部  
Shutter



F i g . 0

## Small parts of rear body diecast

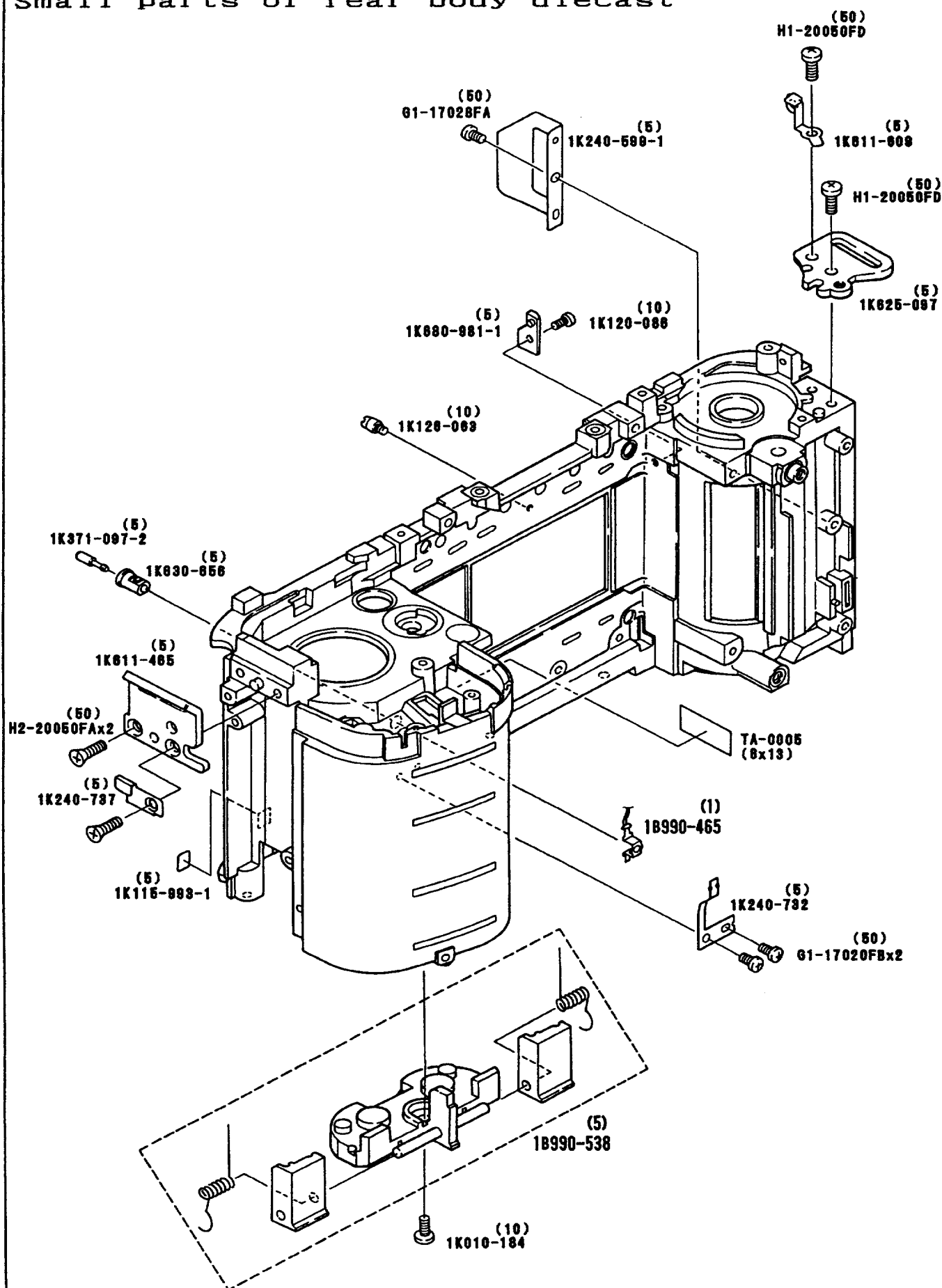
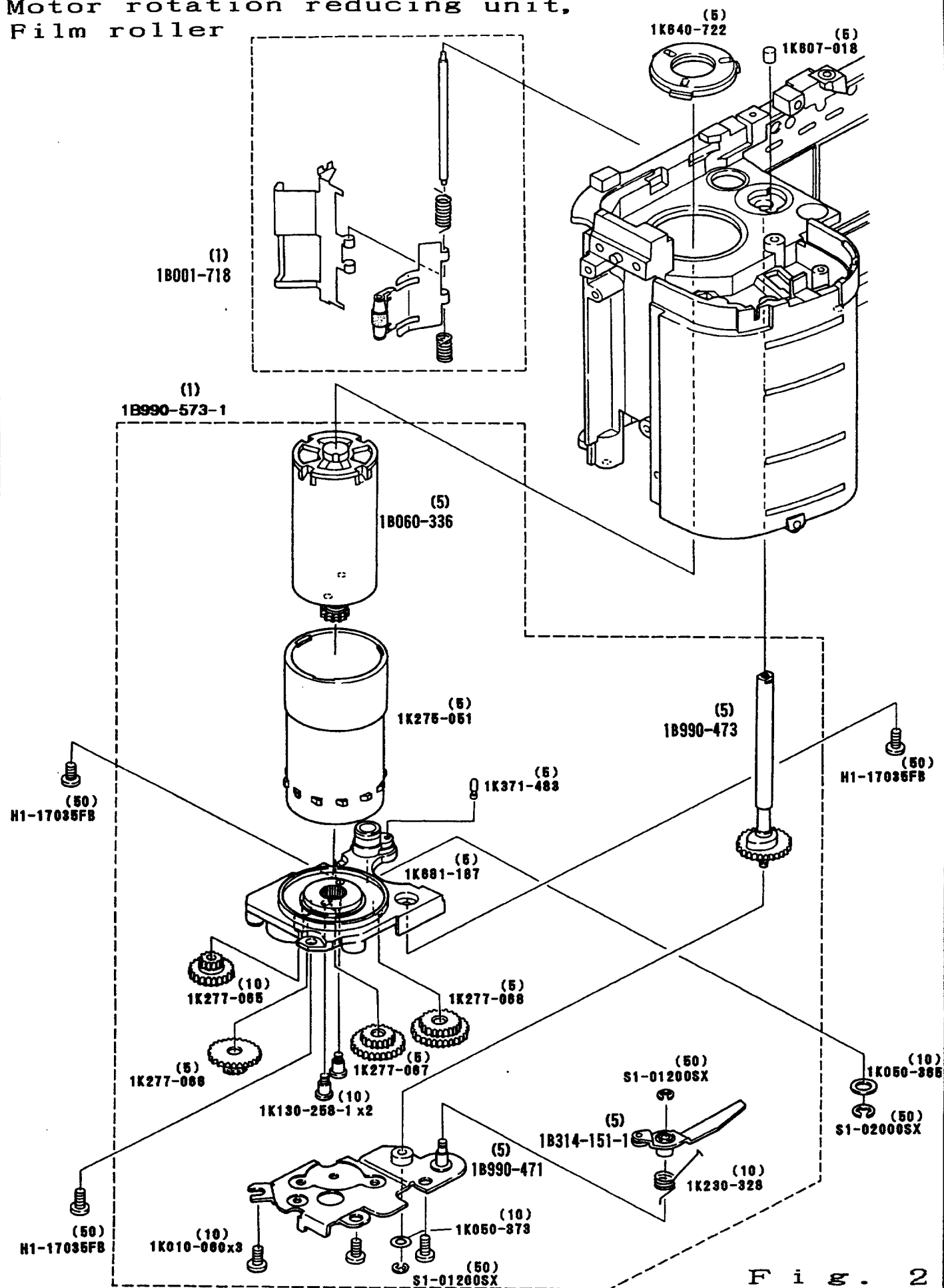


Fig. 1

Motor rotation reducing unit,  
Film roller [-----]

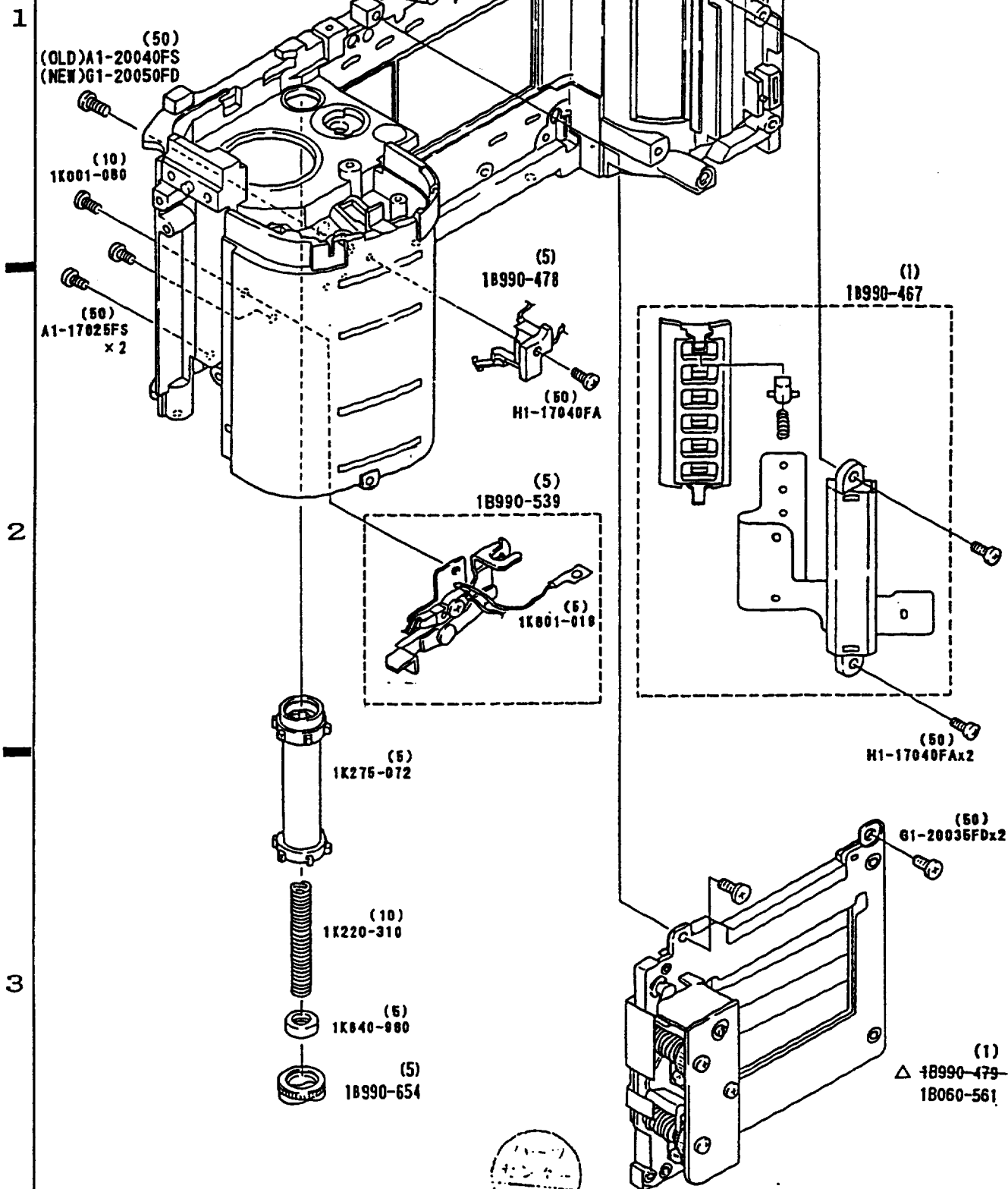


F i g . 2

A

B

FAA24051-R. 3282. B



RP-INF. NO. 9535

Fig. 3

Change part(差し替え) △ x 1

- F 3 · F-601 -

Apr. 19. 1995



F i g . 4



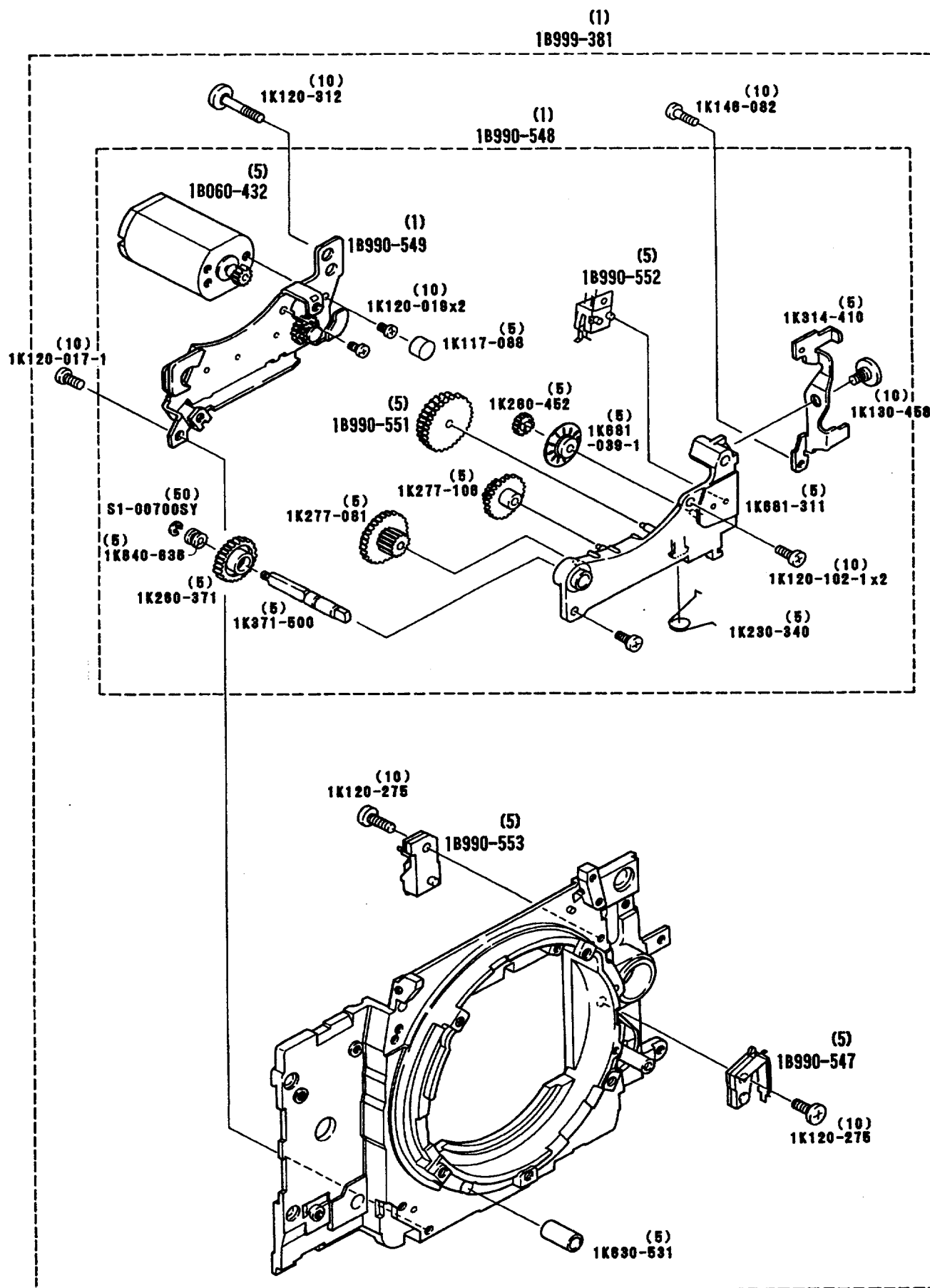
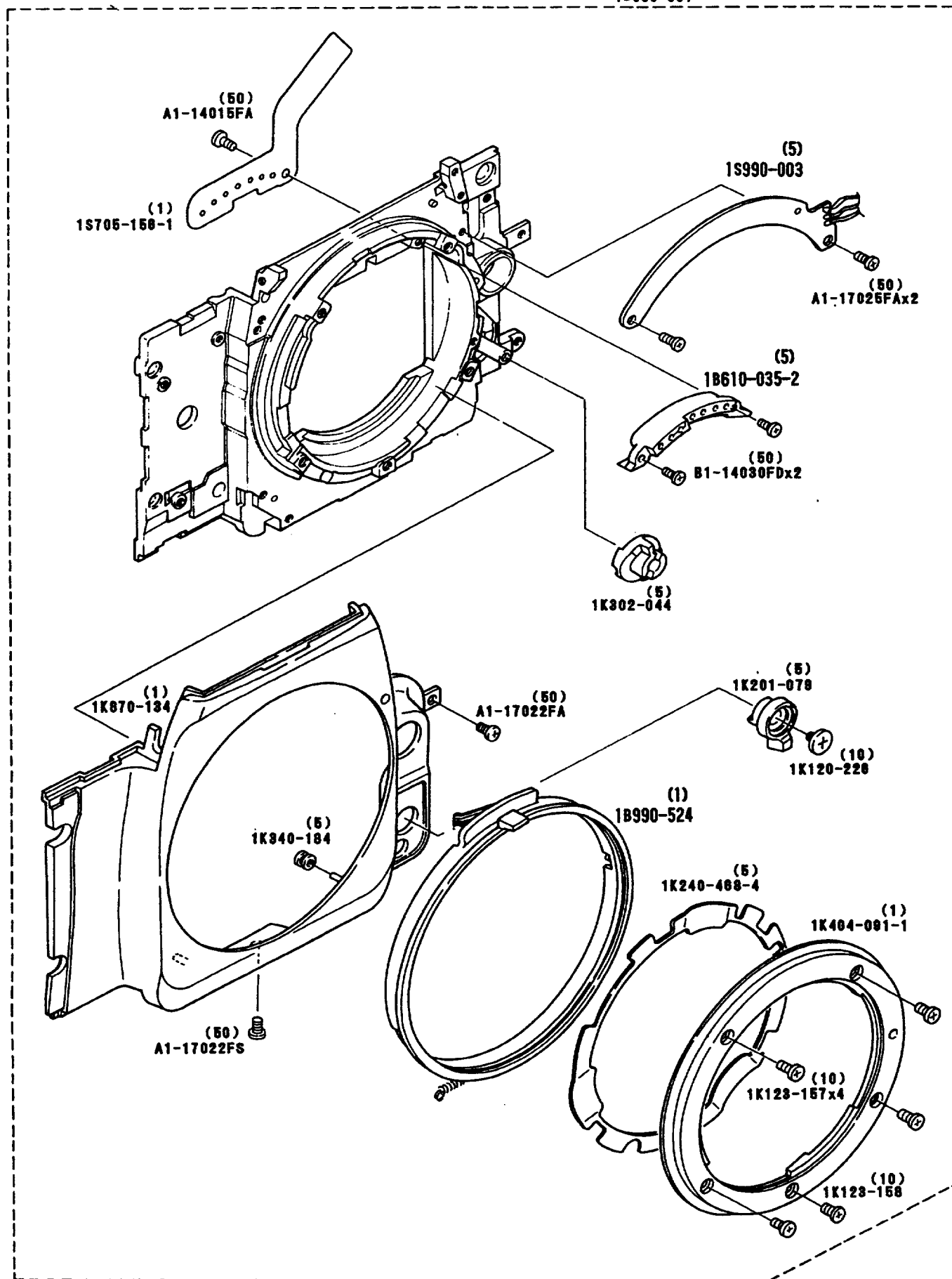


Fig. 5

Bayonet, Lens contact

(1)  
1B999-381



F i g . 6

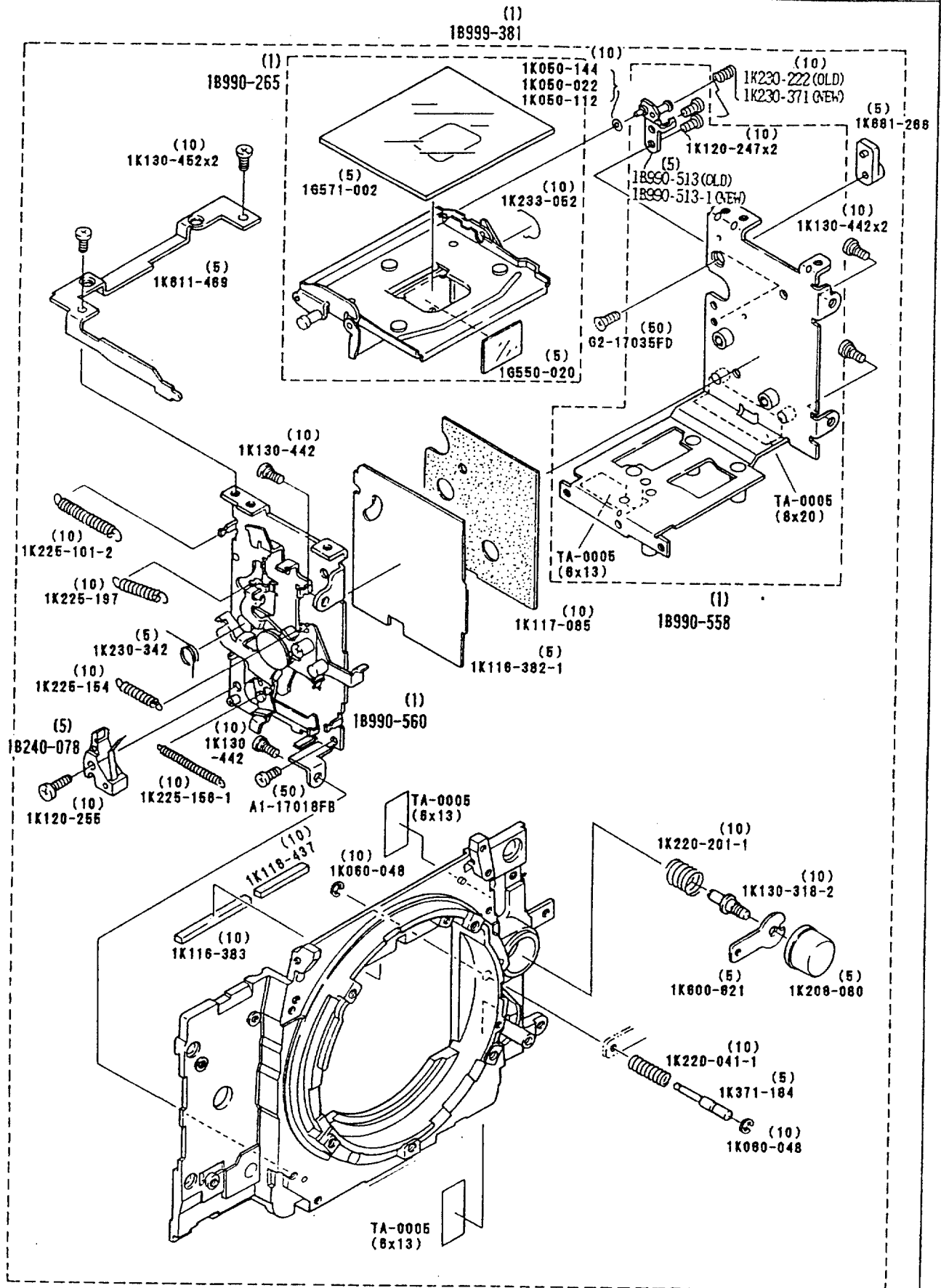


Fig. 7

Prism box,  
Aperture control unit

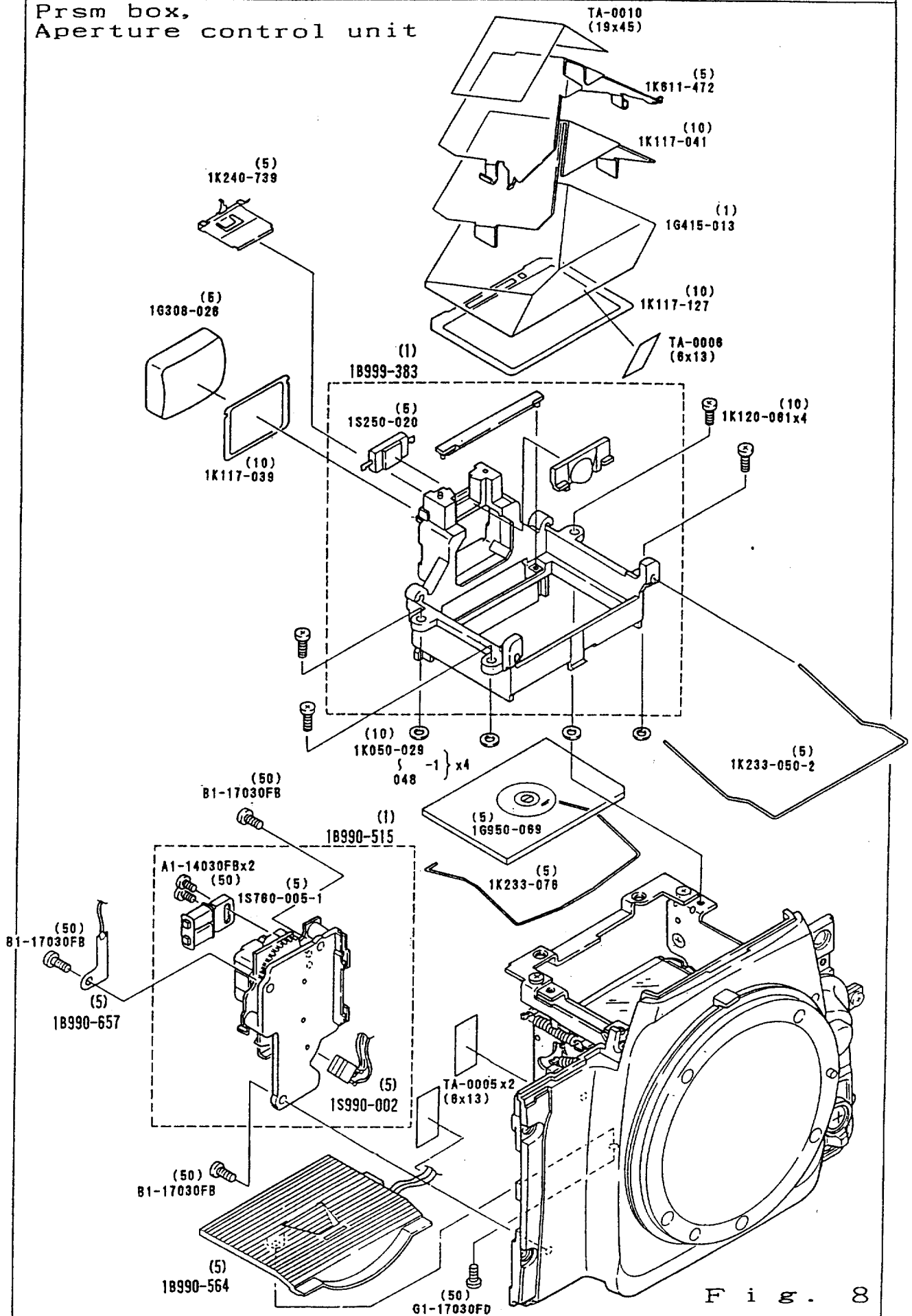
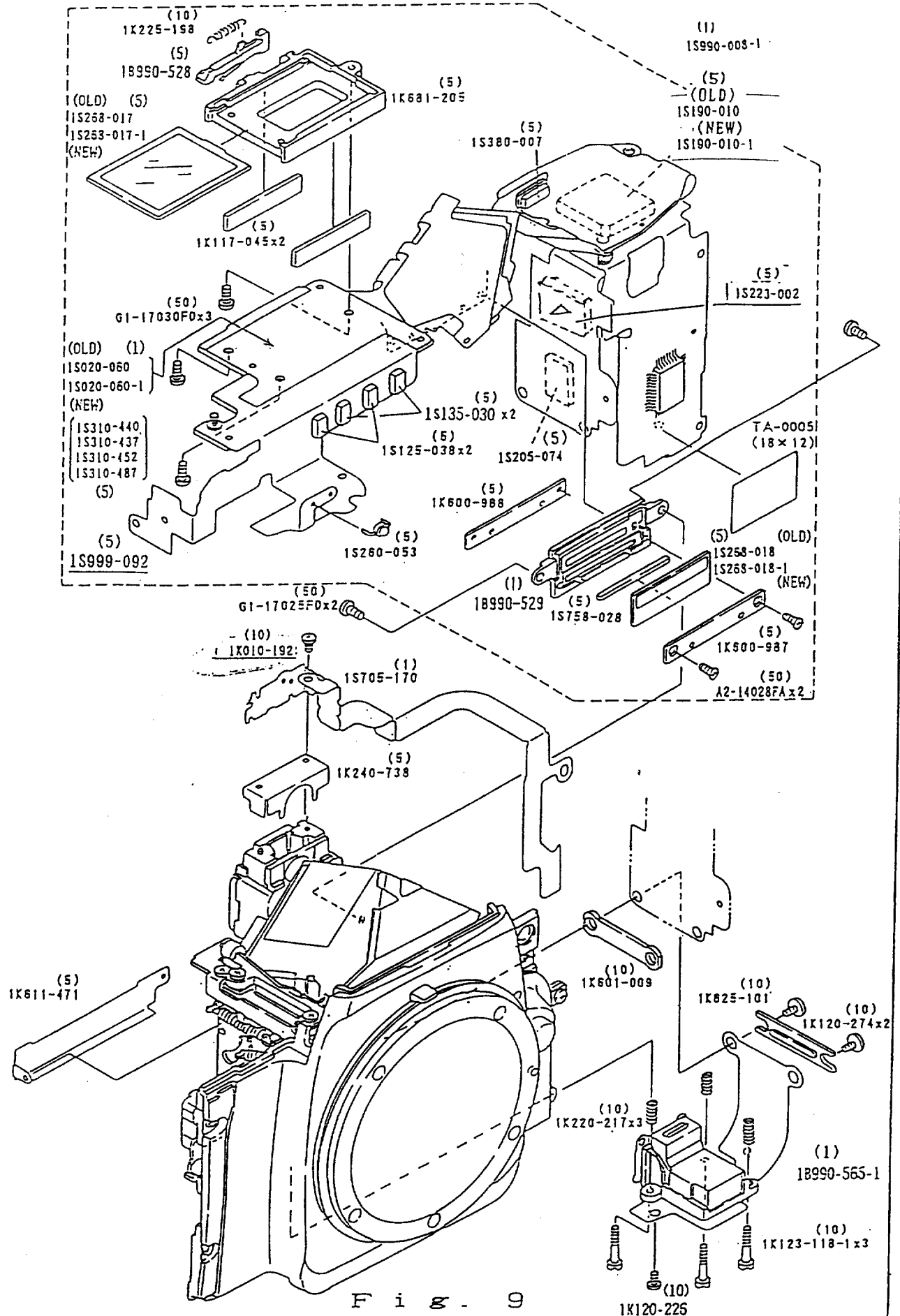


Fig. 8



F i g . 9



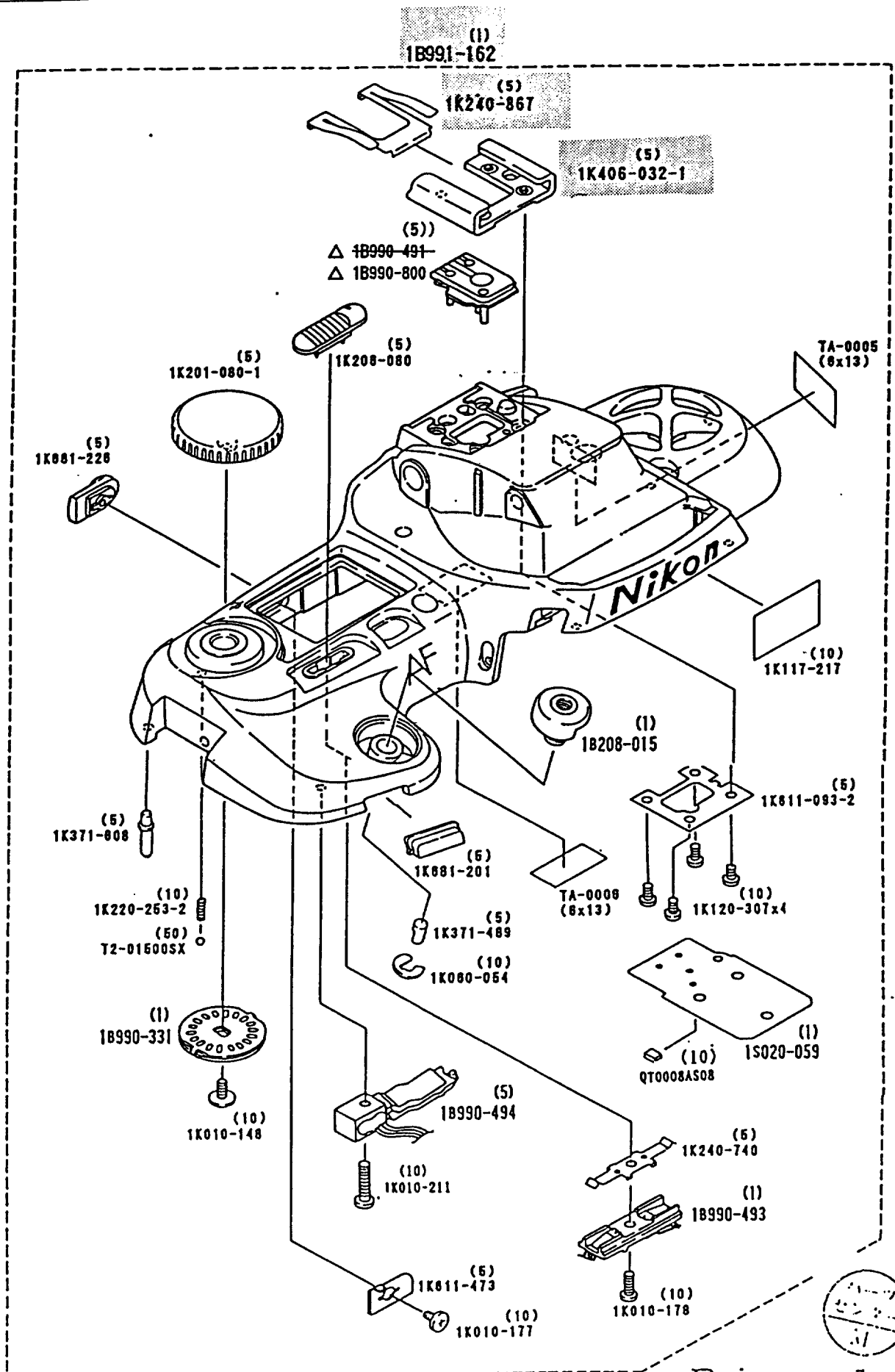
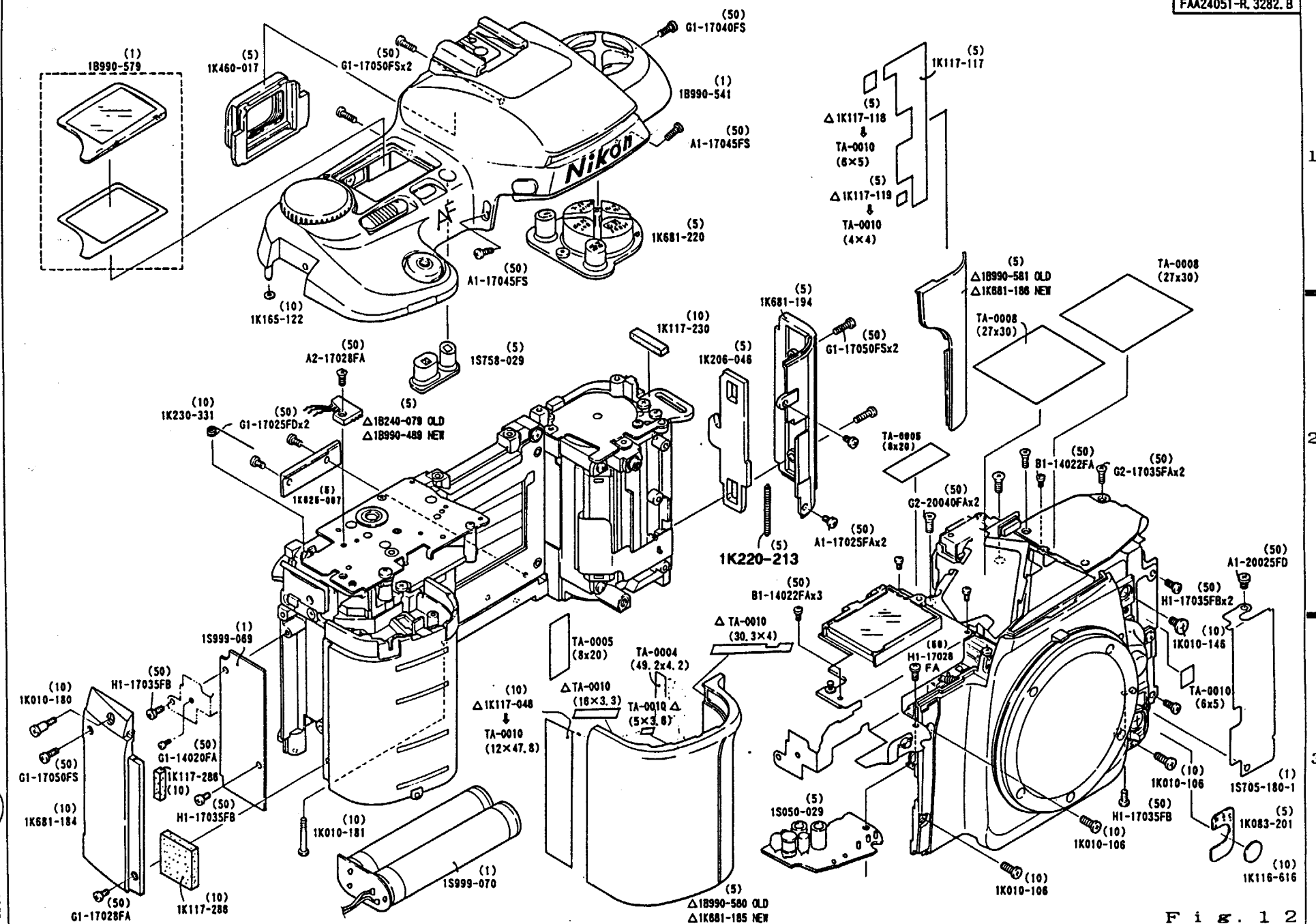


Fig. 11



**F i g . 1 2**



Rewind base plate, Bottom cover

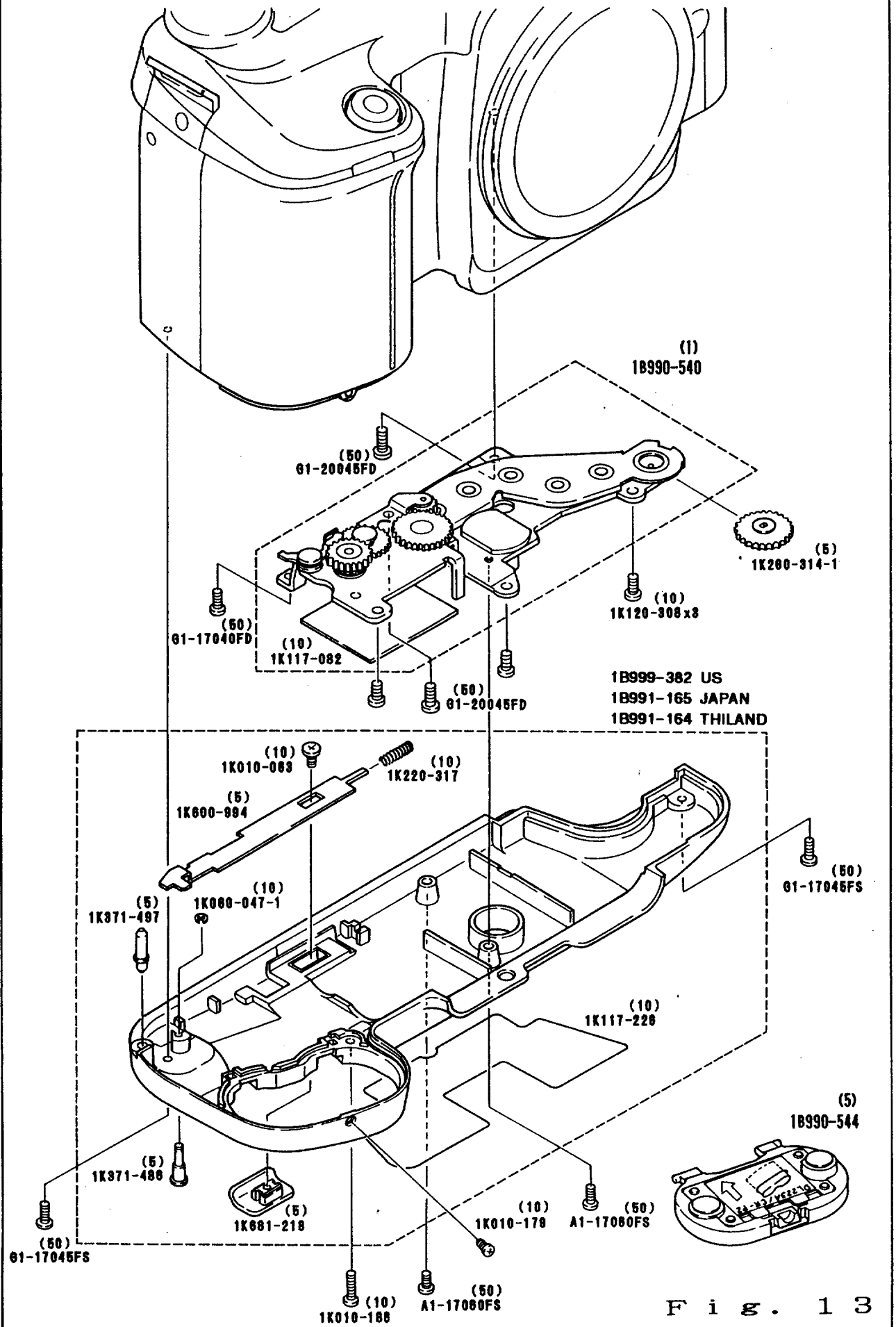


Fig. 13

## Back door

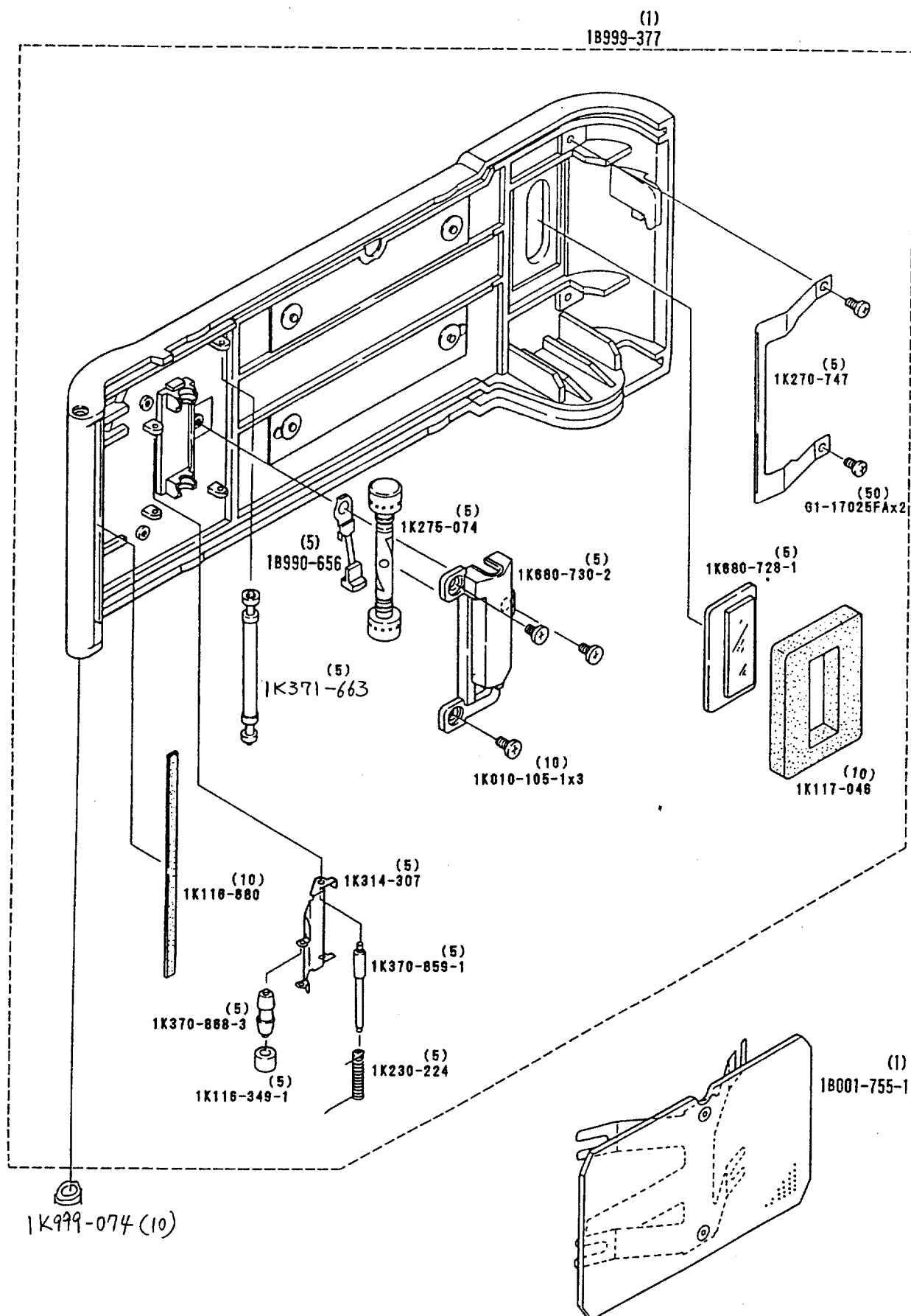


Fig. 14

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
16308-026	65	接眼レンズ Eyepiece lense	1		8	○	F-601M	5
16415-013	64	ペンタプリズム Pentaprism	1		8	○	F-601M	1
16550-020	62	サブ ミラー Sub-mirror	1	18999-381 18990-265	7	○△	F-40L F-401S F-801	5
*16571-002	61	メインミラー Main mirror	1	18999-381 18990-265	7	○△	F-40L F-401S	5
16950-069	63	スクリーン Viewfinder screen	1		8	○		5
1K001-060	747	Screw	1		3	○	F-601M	10
*1K010-060	701	Screw	3	18990-573	2	○△	F-301 F-401S F-501 F-401 F-601M	10
*1K010-061	702	Screw	1		4	○	F-301 F-401S F-501 F-401 F-601M	10
*1K010-063	703	Screw	1	18999-382	13	○△	F-301 F-401S F-501 F-401 F-601M	10
*1K010-105-1	705	Screw	3	18999-377	14	○△	F-401 F-401S F-601M	10
*1K010-106	708	Screw	3		12	○	F-401 F-401S F-601M	10
*1K010-146	707	Screw	1		12	○	F-801 F-601M	10
*1K010-148	706	Screw	1	18990-541 18990-659	11	○△	F-801 F-601M	10
1K010-177	710	Screw	1	18990-541 18990-659	11	○△	F-601M	10
1K010-178	711	Screw	1	18990-541 18990-659	11	○△	F-601M	10

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1K010-179	712	Screw	1		13	○	P-601M	10
1K010-180	713	Screw	1		12	○	P-601M	10
1K010-181	715	Screw	1		12	○	P-601M	10
1K010-184	718	Screw	1		1	○		10
1K010-185	709	Screw	1	18990-541 18990-659	10	○△		10
1K010-186	714	Screw	1		13	○		10
1K010-189	720	Screw	1		10	○		10
*1K050-022	460	ミラーラストガク取りワッシャー Washer mirror holder t=0.2	0-1	18999-381	7	○△	P-401 P-401S P-801 P-601M	10
*1K050-029	781A	プリズムBOX ワッシャー Washer, pentaprism box t=0.05	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-030	781B	プリズムBOX ワッシャー Washer, pentaprism box t=0.06	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-031-1 (1K050-031)	781C	プリズムBOX ワッシャー Washer, pentaprism box t=0.07	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-032	781D	プリズムBOX ワッシャー Washer, pentaprism box t=0.08	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-033	781E	プリズムBOX ワッシャー Washer, pentaprism box t=0.09	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-034	781F	プリズムBOX ワッシャー Washer, pentaprism box t=0.1	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-035	781G	プリズムBOX ワッシャー Washer, pentaprism box t=0.12	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-036	781H	プリズムBOX ワッシャー Washer, pentaprism box t=0.12	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-037	781I	プリズムBOX ワッシャー Washer, pentaprism box t=0.2	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
*1K050-038	781J	プリズムBOX ワッシャー Washer, pentaprism box t=0.3	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-039	781K	プリズムBOX ワッシャー Washer, pentaprism box t=0.4	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-040-1 (1K050-040)	781L	プリズムBOX ワッシャー Washer, pentaprism box t=0.5	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-041	781M	プリズムBOX ワッシャー Washer, pentaprism box t=0.6	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-042-1 (1K050-042)	781N	プリズムBOX ワッシャー Washer, pentaprism box t=0.7	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-043-1 (1K050-043)	781O	プリズムBOX ワッシャー Washer, pentaprism box t=0.8	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-044	781P	プリズムBOX ワッシャー Washer, pentaprism box t=0.9	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-045-1 (1K050-045)	781P	プリズムBOX ワッシャー Washer, pentaprism box t=1.0	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-046-1 (1K050-046)	781Q	プリズムBOX ワッシャー Washer, pentaprism box t=1.1	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-047-1 (1K050-047)	781R	プリズムBOX ワッシャー Washer, pentaprism box t=1.2	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-048	781S	プリズムBOX ワッシャー Washer, pentaprism box t=0.03	0-4		8	○	P-301 P-501 P-401 P-401S P-801 P-601M	10
*1K050-112	460	ミラースラストガタ取りワッシャ Washer mirror holder t=0.3	0-1	18999-381	7	○△	P-401 P-401S P-801 P-601M	10
*1K050-144	460	ミラースラストガタ取りワッシャ Washer mirror holder t=0.1	0-1	18999-381	7	○△	P-401 P-401S P-801 P-601M	10
1K050-365	65	スプロケットワッシャ Sprocket washer	1		2	○	P-601M	10
1K050-373	763	ワッシャー Washer	1	18990-573	2	○△	P-601M	10
1K060-045	765	Eリング E-ring	1	18990-541 18990-659	10	○△		10
*1K060-047-1 (1K060-047)	770	Eリング E-ring	1	18999-382	13	○△	P-801 P-601M	10

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
*1K060-048	769	Eリング E-ring	2	18999-381	7	○△	F-801	10
1K060-054	766	Eリング E-ring	1	18990-541 18990-659	11	○△		10
1K083-201	954	銘板 Name plate	1		12	○		5
1K115-660-1	697	アセテート クロス テープ (6X13) Cloth tape	2	18990-541 18990-659	8 11	○△	F-401 TA-0006	1 roll
*1K115-993-1	206	フィルムマーク Film leader index	1		1	○	F-401 F-401S F-301 F-601M	5
1K116-349-1	621	フィルムローラーゴム Film roller rubber	1	18999-377	14	○△	F-601M	5
*1K116-382-1 (1K116-382)	328	I 基板植毛紙 Flocked sheet, I base plate	1	18999-381	7	○△	F-401 F-401S F-601M	5
*1K116-383	417	ミラー受モルト A Sponge, mirror holder A	1	18999-381	7	○△	F-401 F-401S F-601M	10
1K116-431	691	ポリエステル テープ (6X13) Plastic tape	6		1,4 7,8 11	○	TA-0005	1 roll
*1K116-437	419	ミラー受モルト B Sponge, mirror holder B	1	18990-381	7	○△	F-401 F-401S F-601M	10
1K116-616	953	A F モード SW ノブカバー Focus mode SW knob	1		12	○	F-801	10
1K116-622	693	ポリエステル テープ (8X20) Plastic tape	2		7 12	○	TA-0005	1 roll
*1K116-680	699	植毛紙 Flocked sheet	1	18999-377	14	○△	F-401 F-401S F-601M	10
1K117-039	422	接眼視野枠 Eyepiece mask	1		8	○	F-601M	10
1K117-041	428	ペンタ保護シート Pentaprism protect sheet	1		8	○	F-601M	10
1K117-045	535	ゼブラゴム Zebra rubber	2	18990-008	9	○△	F-601M	5
1K117-046	607	バトロネ窓モルト Sponge, Film cartridge window	1	18999-377	14	○△	F-601M	10

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## 部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Order Unit Q'ty
△ IK117-048	671	両面テープ Double coated adhesive tape	1		12	○	F-601M RP-9510 サ技94-48 ○⇒× TA-0010	1 0 ↓ 1 roll
IK117-082	268	両面テープ Double coated adhesive tape	1	1B990-540	13	○△		1 0
IK117-085	418	L基板植毛紙 Flocked sheet. L base plate	1	1B999-381	7	○△		1 0
IK117-088	955	I P押さえゴム IP pressure rubber	1	1B999-381 1B990-548	5	○△		1 0
IK117-112	674	両面テープ Double coated adhesive tape	1		12	○	TA-0004	1 roll
IK117-114	676	ポリエステル テープ (27x30) Plastic tape	1		12	○	TA-0008 or TA-0005	1 roll
IK117-115	677	両面テープ (19x45) Double coated adhesive tape	1		8	○	TA-0010	1 roll
IK117-127	425	視野枠 Viewfield frame	1		8	○		5
IK117-150	685	ポリエステル テープ (18X12) Plastic tape	1	1S990-008	9	○△	F-601M RP-9101 TA-0005	1 roll
IK117-217	668	ポリエステル テープ Plastic tape	1	1B990-541 1B990-659	11	○△	F-601M	1 0
IK117-226	682	底カバー保護テープ Plastic tape. B ottom cover	1	1B999-382	13	○△		1 0
IK117-230	236	防滴シール Drip-proof sheal	1		12	○	F-601M	1 0
*IK120-017-1	730	Screw	1	1B999-381	5	○△	F-801	1 0
*IK120-019	729	Screw	2	1B999-381 1B990-548	5	○△	F-401 F-401S	1 0
*IK120-061	727	Screw	4		8	○	F-401 F-401S F-601M	1 0
*IK120-086	731	Screw	1		1	○	F-801 F-601M	1 0
*IK120-102-1	726	Screw	2	1B999-381 1B990-548	5	○△	F-401 F-401S F-801	1 0

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 割 数 Pcs. Per Unit	大組部品番号 Constituent Parts	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
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## 部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K120-195	721	Screw	1		4	○	P-501 P-401 P-401S P-601M	10
1K120-226	733	Screw	1	18999-381	6	○△		10
*1K120-247	734	Screw	2	18999-381 18990-558	7	○△	P-401 P-401S P-601M	10
*1K120-255	728	Screw	1	18999-381	7	○△	P-401 P-401S P-601M	10
1K120-274	725	Screw	2		9	○		10
1K120-275	722	Screw	1	18999-381	5	○△		10
1K120-307	723	Screw	4	18990-541 18990-659	11	○△	P-601M	10
1K120-308	724	Screw	3		13	○	P-601M	10
1K120-312	732	Screw	1	18999-381	5	○△		10
1K120-334	736	Screw	2	18990-655	4	○△	P-601M	10
1K123-118-1	738	Screw	3		9	○		10
*1K123-157 (1K123-046)	739	Screw	5	18999-381	6	○△	P-401 P-401S P-501 P-301 P-601M	10
1K123-158	740	Screw	1	18999-381	6	○△		10
*1K126-063	745	Screw	1		1	○	P-401 P-401S P-801 P-601M	10
*1K130-258-1 (1K130-258)	755	Screw	2	18990-573	2	○△	P-501 P-401 P-401S P-601M	10
*1K130-318-2 (1K130-318)	752	レンズ着脱鉤軸 Axle, lens release button	1	18999-381	7	○△	P-401 P-401S P-601M	10
1K130-436	754	Screw	1	18990-541 18990-659	10	○△		10

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K130-442	756	Screw	4	18999-381	7	○△	F-401 F-401S F-601M	10
1K130-452	753	Screw	2	18999-381	7	○△	F-601M	10
1K130-458	700	連動レバー止めネジ Screw, Connecting lever	1	18999-381 18990-548	5	○△		10
1K146-082	760	Screw	1	18999-381	5	○△		10
*1K165-122	651	ワッシャー Washer	1		12	○	F-401 F-401S F-601M	10
1K201-079	950	A-M 切り換えレバー A-M mode lever	1	18999-381	6	○△	F-601M	5
*1K201-080-1 (1K201-080)	512	電子ダイヤル Electrical dial	1	18990-541 18990-659	11	○△	F-801 F-601M	5
*1K206-046	221	裏蓋開閉キー Camera back open/close key	1		12	○	F-401 F-401S F-601M	5
1K206-080	520	電源レバー Power switch lever	1	18990-541 18990-659	11	○△	F-601M	5
*1K208-080	440	レンズ着脱釦 Ring, lens release button	1	18999-381	7	○△	F-401 F-401S F-601M	5
1K208-133	566	アップ SW 押し込み釦 Up switch button	1	18990-541 18990-659	10	○△		5
*1K220-041-1 (1K220-041)	446	レンズ着脱ピンバネ Spring, lens release pin	1	18999-381	7	○△	F-401 F-401S F-801 F-301 F-601M	10
*1K220-201-1	445	レンズ着脱釦軸バネ Spring, lens release button axle	1	18999-381	7	○△	F-401 F-401S F-801 F-601M	10
*1K220-213	222	裏蓋開閉バネ Spring	1		12	○	F-401 F-401S F-601M	5
1K220-217	406	A F 調整バネ AF adjustment spring	3	18999-381 18990-558	9	○△		10
*1K220-253-2 (1K220-253)	516	電子ダイヤルクリックバネ Click spring, electrical dial	1	18990-541 18990-659	11	○△	F-801 F-601M	10

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Order Unit Q'ty
*1K233-052	337	サブ ミラー バネ Sub-mirror spring	1	1B999-381 1B990-265	7	○△	F-401 F-401S F-801	10
1K233-076	424	スクリーンバネ Screen spring	1		8	○	F-601M	5
*1K240-468-4 (1K240-468-2)	472	バヨネットバネ Bayonet spring	1	1B999-381	6	○△	F-401 F-401S F-801 F4 F-601M	5
*1K240-516	573	シューバネ Shoe spring	1	1B990-659	11	○△	F-401 F-401S F-801 F-601M	5
*1K240-599-1 (1K240-599)	217	バトロネ押さえバネ Spring, Film cartridge retainer	1		1	○	F-801 F-601M	5
1K240-732	163	フィルム検出SW接片 B Film detection switch B	1		1	○	F-601M	5
1K240-737	233	ラグ板 Lug plate	1		1	○	F-601M	5
1K240-738	436	SPD押さえ板 SPD Retainer	1		9	○	F-601M	5
1K240-739	437	シールド板 Shield plate	1		8	○	F-601M	5
1K240-740	521	電源レバークリックバネ Click spring, Power switch lever	1	1B990-659	11	○△	F-601M	5
1K240-747	602	バトロネ位置決めバネ Film cartridge setting spring	1	1B999-377	14	○△	F-601M	5
△ *1K240-867	343	シューバネ (穴あき用) Shoe spring	1	1B991-162	11	○△	FAA24061 RP-9531 FAA24062 F-70	5
*1K260-314-1 (1K260-314)	194	巻き戻しギア D Rewind gear D	1		13	○	F-401 F-401S F-601M	5
1K260-371	910	カップリングギア Coupling gear	1	1B999-381 1B990-548	5	○△		5
1K260-452	921	インターラプターギア Interrupter gear	1	1B999-381 1B990-548	5	○△		5
1K260-484 1K371-664	62	スプロケット軸 Sprocket shaft	1		4	○	F-601M RP-9116	5
1K260-490	196	巻き戻しギア E Rewind gear E	1		4	○	F-601M	5
*1K275-051	59	スプール Spool	1	1B990-573	2	○△	F-401 F-401S F-601M	5

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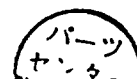
部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Order Unit Q'ty
1K260-579	73	スプロケットギア Sprocket gear	1		4	○	F-601M RP-9116	5
*1K275-058	119	スプークラッチ Spool clutch	1	1B990-480	4	○△	F-401 F-401S F-601M	5
1K275-072	61	スプロケット Sprocket	1		3	○	F-601M	5
1K275-074	623	ロッド軸 B Rod shaft B	1	1B999-377	14	○△	F-601M	5
*1K277-065	47	減速ギア B Speed reduction gear B	1	1B990-573	2	○△	F-401 F-401S F-601M	10
*1K277-066	48	減速ギア C Speed reduction gear C	1	1B990-573	2	○△	F-401 F-401S F-601M	5
*1K277-067	49	減速ギア D Speed reduction gear D	1	1B990-573	2	○△	F-401 F-401S F-601M	5
*1K277-068	50	減速ギア E Speed reduction gear E	1	1B990-573	2	○△	F-401 F-401S F-601M	5
1K277-081	909	第4アイドルギア 4th idle gear	1	1B999-381 1B990-548	5	○△		5
1K277-106	908	第3アイドルギア 3rd idle gear	1	1B999-381 1B990-548	5	○△		5
*1K302-044	952	A-M 切り換えカム A-M mode cam	1	1B999-381	6	○△	F-801	5
*1K314-286-3 (1K314-286-2)	98	オーバーラン防止レバー Over-run prevention lever	1	1B990-480	4	○△	F-401 F-401S F-601M	5
1K314-307	616	フィルムローラー板 Film roller plate	1	1B999-377	14	○△	F-601M	5
1K314-410	936	連動レバー Connecting lever	1	1B999-381 1B990-548	5	○△		5
1K340-184	485	連動環バネカラー Aperture coupling spring collar	1	1B999-381	6	○△	F-601M	5
*1K370-794-1	87	オーバーラン防止レバー軸 Shaft, Over-run prevention lever	1	1B990-480	4	○△	F-401 F-401S F-601M	5
1K370-859-1	617	フィルムローラー軸 Film roller shaft	1	1B999-377	14	○△	F-601M	5
1K370-868-3	620	フィルムローラー Film roller	1	1B999-377	14	○△	F-601M	5

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Order Unit Q'ty
*IK371-097-2 (IK371-097)	164	フィルム検出SW接片ピン Film detection switch PIN	1		1	○	F-401 F-401S F-601M	5
*IK371-184	443	レンズ着脱ピン Lens release pin	1	1B999-381	7	○△	F-801 F-601M	5
IK371-483	166	スプロケットSWピン Sprocket Switch pin	1	1B990-473	2	○△	F-601M	5
IK371-484-1	195	巻き戻しギア軸 Rewind gear shaft	1		4	○	F-601M RP-9116	5
IK371-486	247	R 知 Rewind button	1	1B999-382	13	○△		5
IK371-489	588	リリース知ピン Shutter release button pin	1	1B990-659	11	○△	F-601M	5
IK371-497	634	裏蓋軸 下 Lower back unit shaft	1	1B999-382	13	○△	F-601M	5
IK371-500	911	A Fカップリング軸 AF coupling shaft	1	1B999-381 1B990-548	5	○△		5
IK371-608	635	裏蓋軸 上 Upper back unit shaft	1	1B990-659	11	○△	F-601M	5
IK371-663	613	ロッド軸 A Rod shaft A	1	1B999-377	14	○△	F-601M	5
*IK404-091-1 (IK404-091)	471	バヨネット Bayonet	1	1B999-381	6	○△	F-801	1
*IK406-030-1 (IK406-030)	571	シュー Accessory Shoe	1	1B990-659	11	○△	F-401 F-401S F-801 F-601M	5
△ *IK406-032-1 (IK406-032)	341	シュー (穴あきタイプ) Accessory Shoe	1	1B991-162	11	○△	FAA24061 RP-9531 FAA24062 F-70	5
IK460-017	431	接眼枠 Eyepiece molde	1		12	○	F-601M	5
*IK600-621	442	レンズ着脱板 Lens release plate	1	1B999-381	7	○△	F-401 F-401S F-601M	5
IK600-987	452	表示押さえ板 Display retainer	1	1S990-008	9	○△	F-601M	5
IK600-988	453	表示押さえ板 B Display retainer B	1	1S990-008	9	○△	F-601M	5
IK600-994	282	R ロック板 Rewind lock plate	1	1B999-382	13	○△		5

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1K601-009	152	圧接押さえゴム Press-contact retaining rubber	1		9	○		10
1K601-019	193	巻き戻し基板ラグ板 Lug plate(Rewind base plate)	1	18990-474	3	○△	F-601M	5
*1K607-018	201	ガイド板軸受けカラー Guide plate bearing collar	1		2	○	F-401 F-401S F-601M	5
*1K611-093-2 (1K611-093-1)	576	裏押さえ板 Shoe backing plate	1	18990-541 18990-659 18990-491	11	○△	F-801 F-601M	5
1K611-465	232	吊環 (巻き上げ側) Neckstrap ring (Advance side)	1		1	○	F-601M	5
1K611-469	320	IL 支え板 IL supporting plate	1	18999-381	7	○△	F-601M	5
1K611-471	415	遮光板 Light baffle plate	1		9	○	F-601M	5
1K611-472	426	ペンタ押さえ板 Pentaprism retainer	1		8	○	F-601M	5
1K611-473	583	A E-L 基板 AE lock base plate	1	18990-541 18990-659	11	○△	F-601M	5
1K611-609	192	巻き戻し吊り環ラグ板 Lug plate(Rewind side Neckstrap)	1		1	○	F-601M	5
*1K625-067	237	DB接点目隠しモード Data back contact cover	1		12	○	F-401 F-401S F-601M	5
1K625-097	231	吊環 (巻き戻し側) Neckstrap ring (Rewinde side)	1		1	○	F-601M	5
1K625-101	154	圧接押さえ板 Press-contact retaining plate	1		9	○		10
1K630-531	956	カップリングカラー Coupling collar	1	18999-381	5	○△	F-601M	5
1K630-656	67	フィルム検出ガイド Film detecting guide	1		1	○	F-601M	5
1K630-659	543	カラー Coller	1	18990-541 18990-659	10	○△		5
1K640-636	913	カップリング カラー Coupling collar	1	18999-381 18990-548	5	○△	F-601M	5

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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K640-722	60	スプール上座 Spool upper cover	1		2	○	F-401 F-401S F-601M	5
1K640-960	66	スプロケット下軸受け Sprocket lower shaft retainer	1		3	○	F-601M	5
1K670-134	22	エプロン Apron	1	18999-381	6	○△		1
1K680-728-1	606	バトロネ窓 Film cartridge window	1	18999-377	14	○△		5
*1K680-730-2 (1K680-730-1)	626	フィルム給送シグナル Film advance indicator	1	18999-377	14	○△	F-401S F-601M	5
1K680-981-1	218	バトロネ受け Film cartridge set mold	1		1	○	F-601M	5
1K681-039-1	923	インターラプター 板 Interruptter plate	1	18999-381 18990-548	5	○△	F-601M	5
1K681-184	36	保護カバー板 Protector plate	1		12	○	F-601M	5
1K681-187	41	モーター減速基板 Motor rotation reducing base plate	1	18990-573	2	○	F-601M	5
*1K681-194	220	裏蓋開閉カバー板 Camera back open/close cover plate	1		12	○	F-601M	5
1K681-201	510	セルフ窓 Self-timer window	1	18990-541 18990-659	11	○△	F-601M	5
1K681-205	534	液晶ハウジング LCD housing	1	18990-008	9	○	F-601M	5
1K681-218	281	R ロックレバー Rewind lock lever	1	18999-382	13	○△		5
1K681-220	528	巻き戻し側ラバー SW Rubber switch (Rewind side)	1		12	○		5
1K681-221	532	S Bカバー穴隠しゴム Rubber, Flash cover	2	18990-541 18990-659	10	○△		10
1K681-223	542	ストロボ 上ケース Upper flash cover	1	18990-541 18990-659	10	○△		1
1K681-226	582	A E-L 操作レバー AE lock lever	1	18990-541 18990-659	11	○△		5



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部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
A1-14015FA	801	Screw	3		6	○		50
A1-14030FB	803	Screw	2		8	○		50
A1-17018FB	805	Screw	1		7	○		50
A1-17022FA	806	Screw	1		6	○		50
A1-17022FS	807	Screw	1		6	○		50
A1-17025FA	808	Screw	5		6 9 12	○		50
A1-17025FS	809	Screw	2		3	○		50
A1-17045FS	810	Screw	2		12	○		50
A1-20025FD	814	Screw	1		12	○		50
A1-20040FS	816	Screw	1		3	○		50
A2-14025FA	827	Screw	2		9	○		50
A2-17028FA	830	Screw	1		12	○		50
B1-14022FA	820	Screw	4		12	○		50
B1-14030FD	821	Screw	2		6	○		50
B1-17030FB	824	Screw	3		8	○		50

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
G1-14020FA	834	Screw	1		12	○		50
G1-14025FB	836	Screw	1		9	○		50
G1-17020FB	837	Screw	2		1	○		50
G1-17025FA	838	Screw	2		14	○		50
G1-17025FD	839	Screw	4		9 12	○		50
G1-17028FA	841	Screw	2		1 12	○		50
G1-17030FD	842	Screw	5		8 9 10	○		50
G1-17035FA	843	Screw	1		4	○		50
G1-17035FD	844	Screw	2		4	○		50
G1-17040FD	846	Screw	1		13	○		50
G1-17040FS	845	Screw	3		10 12	○		50
G1-17045FD	848	Screw	2		10	○		50
G1-17045FS	856	Screw	2		13	○		50
G1-17050FS	850	Screw	5		12	○		50

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
G1-20035FD	853	Screw	2		3	○		50
G1-20045FD	855	Screw	2		13	○		50
G2-17035FA	863	Screw	3		4 12	○		50
G2-17035FD	864	Screw	1		7	○		50
G2-20040FA	865	Screw	2		12	○		50
H1-17035FB	858	Screw	8		2 12	○		50
H1-17040FA	859	Screw	6		3 4	○		50
H1-20050FD	860	Screw	2		1	○		50
H1-20080FA	861	Screw	1		11	○		50
H2-20050FA	867	Screw	2		1	○		50
S1-00700SY	771	Eリング B-ring	1		5	○		50
S1-01200SX	772	Eリング B-ring	2		2	○		50
S1-02000SX	773	Eリング B-ring	1		2	○		50
T2-01500SX	875	鋼球 Steel ball	1		11	○		50
A1-17060FS	811	Screw	2		13	○		50

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
<del>1S007-194-</del> 1S999-069	1032	ストロボ基板 Flash base unit	1		12	○		1
<del>1S007-196-</del> 1S999-070	1034	メインコンデンサー基板 Main condencer unit	1		12	○		1
1S050-029	1021	DC-DC コンバータ DC-DC Converter unit	1		12	○		5
1S125-030	1063	トランジスタ Transistor	2	1S990-008	9	○△	P-601M	5
1S125-038	1062	トランジスタ Transistor	2	1S990-008	9	○△	P-801 P-601M	5
1S190-010-1	1041	CPU H8/330 CPU	1	1S990-008-1	9	○△		5
1S250-020	1027	フォトダイオード (6 分割) AE SPD	1	1B999-383	8	○△		5
1S260-053	1026	LED (セルフ表示用) LED (Self-timer)	1	1S990-008	9	○△	P-601M	5
1S268-017	1023	液晶 (外部モニター用) LCD (Outside)	1	1S990-008	9	○△	P-601M	1
1S268-018	1024	液晶 (F内表示用) LCD (Finder)	1	1S990-008	9	○△		5
1S380-007	1030	リチウム ナイオベート振動子 (8MHZ) Oscillator	1	1S990-008	9	○△	P-401 P-801 P-601M P-401S F4	5
1S705-156-1	1004	レンズ接点 FPC Lens contact FPC	1	1B999-381	6	○△	P-601M	1
1S705-170	1006	SPD FPC SPD FPC	1		9	○		1
1S705-180-1	1009	シールド FPC Shield FPC	1		12	○		1
1S205-074	1049	EEP ROM	1	1S990-008 1S990-008-1 1S999-065		○△		
1S223-002	1047	AF - IC	1	1S990-008-1	9	○△	RP-9208	5

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Qty per order
1S811-229	1141	Lead Wire (Pink) L=70	1			×	W-0056PI	
1S811-230	1142	Lead Wire (Green) L=75	1			×	W-0056GN	
1S811-231	1143	Lead Wire (Black) L=80	1			×	W-0056VBK	
1S811-237	1149	Lead Wire (Pink) L=110	1			×	W-0056PI	
1S811-238	1150	Lead Wire (Red) L=90	1			×	W-0056RE	
1S811-239	1151	Lead Wire (White) L=80	1			×	W-0056WH	
1S811-240	1152	Lead Wire (Blue) L=100	1			×	W-0056BB	
1S811-241	1153	Lead Wire (Black) L=40	1			×	W-0056BK	
1S811-242	1154	Lead Wire (Orange) L=40	1			×	W-0056OR	
1S811-243	1155	Lead Wire (Brown) L=40	1			×	W-0056BN	
1S811-244	1156	Lead Wire (White) L=70	1			×	W-0056WH	
1S811-245	1157	Lead Wire (Yellow) L=85	1			×	W-0056YE	
1S811-246	1158	Lead Wire (Brown) L=70	1			×	W-0056BN	

## 部品表 Parts List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1S811-247	1159	Lead Wire (Black) L=75	1			×	W-0056BK	
1S811-248	1160	Lead Wire (Black) L=30	1			×	W-0056BK	
1S811-249	1161	Lead Wire (White) L=30	1			×	W-0056WH	
1S811-250-1	1162	Lead Wire (Red) L=30	1			×	W-0056RE	
1S811-254	1166	Lead Wire (Orange) L=45	1			×	W-0056OR	
1S811-257	1169	Lead Wire (Yellow) L=110	1			×	W-0056YE	
1S811-258	1170	Lead Wire (Gray) L=110	1			×	W-0056GY	
1S811-276	1183	Lead Wire (White) L=35	1			×	W-0056WH	
1S811-282	1187	Lead Wire (Blue) L=40	1			×	W-0056BE	
1S811-284	1188	Lead Wire (White) L=50	1			×	W-0056WH	
1S811-285	1189	Lead Wire (Black) L=80	1			×	W-0056BK	
1S811-286	1181	Lead Wire (Red) L=38	1			×	W-0056RE	
1S811-327	1174	Lead Wire (Black) L=65	2			×	W-0056BK	
27008AS08	1061	Triac	1	15020-059 18990-541		0Δ	W8008, W8008.5 W6006.FX	

## 部組品表 Assembly List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Assembly	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
1B001-718	B202	フィルム 押さえ Body side film roller unit	1		2	F-601M	1
*1B001-755-1	B603	圧板 Pressure plate	1		14	F-401 F-401S F-601M F-801	1
1B001-910	B072	基準軸円盤 Reference shaft disk	1		4	F-601M	5
1B001-910-1					RP-9298		1
*1B060-336	B032	シーケンス モーター Motor unit	1	1B990-573	2	F-401 F-401S F-601M	5
1B060-432-1	903	A Fモーター AF motor unit	1	1B999-381 1B990-548	5		5
1B060-442	B541	スピードライト発光部 Flash unit	1	1B990-541 1B990-659	10		1
1B208-015	B592	リリース鈕 Release button	1	1B990-541 1B990-659	11	F-601M	1
1B240-078	B319	ミラー SW Mirror switch	1	1B999-381	7	F-601M	5
△ 1B240-079	B2519	電子ダイヤルブラシ Electrical dial brush	1		12	F-601M RP-9510 サ技94-48	5
△ 1B990-489	519						
*1B314-151-1 (1B314-151)	B052	シャッターチャージ レバー Shutter charge lever unit	1	1B990-573	1	F-401 F-401S F-601M	5
*1B610-035-2 (1B610-035-1)	B474	A F接点 AF contact unit	1	1B999-381	6	F-801 F-501 F-601M	5
*1B990-265	B2331	ミラー組品 Mirror unit	1	1B999-381	7	F-401 F-401S F-801	1
*1B990-331	B514	電子ダイヤルパターン板 Electrical dial pattern	1	1B990-541 1B990-659	11	F-801 F-601M	1
1B990-465	B162	F検出SW A Film detection switch A	1		1	F-601M	1

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JAN. 26. 1995



部品組品表 Assembly List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Assembly	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
1B990-467	B211	DX接点 DX contact unit	1		3	F-601M	1
1B990-471	B051	減速基板 Speed reduction base plate	1	1B990-573	2	F-601M	5
1B990-473	B071	基準軸 Reference shaft unit	1	1B990-573	2	F-601M RP-9298	5 1
1B990-473-1							
1B990-539	B241	巻き戻しSW基板 Rewind switch unit	1		3	RP-9105	5
1B990-478	B167	給送 SW Sprocket switch	1		3	F-601M	5
△ 1B990-479	B031	シャッター組 Shutter unit	1		3	F-601M サ技94-48	1
1B060-561	31	シャッター Shutter				RP-9510 RP-9535	
1B990-480	B081	下地基板 Film advance mechanism unit	1		4	F-601M	1
1B990-484	B199	巻き戻しフォーク Rewind fork unit	1		4	F-601M	5
1B990-488	B133	巻上げ完了SW Film advance completion signal switch	1	1B990-655	4	F-601M	5
1B990-491	B572	シューモールド Accessory shoe mold	1	1B990-541 1B990-659	11	F-601M	5
1B990-493	B522	電源レバー接点ブロック Power switch lever contact block	1	1B990-541 1B990-659	11	F-601M	1
1B990-494	B2567	リリースSWモールド部組 Release switch mold unit	1	1B990-541 1B990-659	11	F-601M	5
1B990-513	B413	ミラー軸調整板	1	1B999-381 1B990-558	7	F-601M	5
1B990-513-1		Mirror shaft adjustment plate				RP-9274	

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Apr. 19. 1995



部組品表 Assembly List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Assembly	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
1B990-515	B2340	絞り制御部組 Aperture control unit	1		8	F-601M	1
1B990-524	B482	絞り連動環 Aperture coupling ring unit	1	1B999-381	6	F-601M	1
1B990-528	B584	A E-L ブラシ AE lock brush	1	1S990-008	9	F-601M	5
1B990-529	B451	表示モールド部 Display mold (finder)	1	1S990-008	9	F-601M	1
1B990-538	B256	電池接点 Battery contact unit	1		1		5
1B990-540	B176	巻き戻し基板 Rewind base plate unit	1		13		1
△ 1B990-541	B023	上カバー Top cover unit	1		10 11	F-601用 RP-9531 FAA24061. 24062 RP-9531	1
△ *1B991-162							
1B990-542	B550	ポップアップSW Pop-up switch	1	1B990-659	10		5
1B990-544	B251	電池蓋 Battery chamber lid	1		13		5
1B990-547	B940	AF S/C切り換えSW AF mode switch	1	1B999-381	5		5
1B990-548	B2901	AF駆動基板 AF driving unit	1	1B999-381	5		1
1B990-549	B901	AF駆動上地板 AF actuating upper plate	1	1B999-381 1B990-548	5		1
1B990-551	B906	フリクション ギア Friction gear	1	1B999-381 1B990-548	5		5

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RP-INF. NO. 9531

部組品表 Assembly List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Assembly	参照 図番 Fig. No.	備 考 Remarks	要求単位 Q'ty per order
1B990-552	B924	フォトインタラプター Photo interrupter	1	1B999-381 1B990-548	5		5
1B990-553	B503	AF A/M切り換えSW AF A/M change-over switch	1	1B999-381	5		5
1B990-558	B2341	L 基板部組 L base plate unit	1	1B999-381	7		1
1B990-560	B3301	I 基板部組 I base plate unit	1	1B999-381	7	F-601M	1
1B990-564	B420	ミラーボックス底板 Mirror box bottom plate	1		8		5
1B990-565-1	B401	AF FPC AF FPC unit	1		9	RP-9105 RP-9126	1
1B990-573-1	B4041	M減速基板部組 Motor rotation reducing unit	1		2	F-601M RP-9298 RP-93E1	1
1B990-576	B025	ポップアップ鉤下カバー Lower cover unit. Pop-up button	1	1B990-541 1B990-659	10		5
1B990-579	B524	LCD窓 LCD window	1		12	F-601M	1
1B990-580	B037	グリップ ゴム	1		12	F-601M RP-9510 サ技94-48	5
△ 1K681-185	37	Grip rubber	1		12	F-601M RP-9510 サ技94-48	5
1B990-581	B038	巻き戻し側 ゴム	1		12	F-601M RP-9510 サ技94-48	5
△ 1K681-186	38	Rewind side rubber	1		12	F-601M RP-9510 サ技94-48	5
1B990-654	B068	スプロケットSW カム Sprocket switch cam	1		3	F-601M	5
1B990-655 1B990-655-1	B2121	上地基板部組 Film advance unit	1		4	F-601M RP-9116 RP-9539	1

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Jun. 2. 1995



RP-INF. NO. 9547

## 部組品表 Assembly List

FAA24051-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	大部組品番号 Assembly	参照 図番 Fig. No.	備 考 Remarks marks	要求単位 Q'ty per order
1B990-656	B628	フィルム押さえ Film retainer	1	1B999-377	14	F-601M	5
1B990-657	B191	ラグ板組 Lug plate unit	1		8	F-601M	5
△ 1B990-659 (FAA24151)	B023	上カバー Top cover unit	1		10 11 12	N 6 0 0 6 用 RP-9535	1
1B990-800	B342	シューモールド (穴あき用) Shoe mold	1	1B991-162	11	FAA24061 FAA24062 F-70 RP-9533	1
△ *1B991-161 (FAA24151)	B023	上カバー Top cover unit	1		10	N 6 0 0 6 用 FAA24161 RP-9535	1
1B999-377	BB601	裏蓋 Back unit	1		14	F-601M	1
1B999-381	BB026	前板 Front plate unit	1		5 6 7		1
1B999-382	B024	底カバー Bottom cover unit	1		13	S/N 入り	1
1B999-383	BB421	プリズムボックス部 Prism box unit	1		8		1
IS020-059	B1005	ホットシュー 部FPC Hot shoe FPC	1	1B990-541 1B990-659	11	F-601M	1
IS020-060	B1008	LCD FPC	1	1S990-008	9	RP-9105	1
IS020-060-1		LCD FPC					
1S990-002	B1029	フォト インタラプタ Photo interrupter	1	1B990-515	8	F-601M	5
1S990-003	B1022	f-f0 プリント板 f-f0 PCB	1	1B999-381	6	F-601M	5
1S990-008-1	B3001	メインFPC Main FPC	1		9	RP-9105	1
1B999-454		先幕組 Opening curtain	1	1B990-479	0	F-601M RP-9136	1
1B999-455		後幕組 Closing curtain	1	1B990-479	0	F-601M RP-9136	1

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Apr. 19. 1995

パーツ  
センター

RP-INF. NO. 9535

FAA24061-R. 3371. A

その他の部品は、F A A 2 4 0 5 1 (F 6 0 1) と共通です。  
Other parts are same to F A A 2 4 0 5 1 (F 6 0 1) parts.

FAA24062-R. 3371. A

パーツ  
センター

Data Back

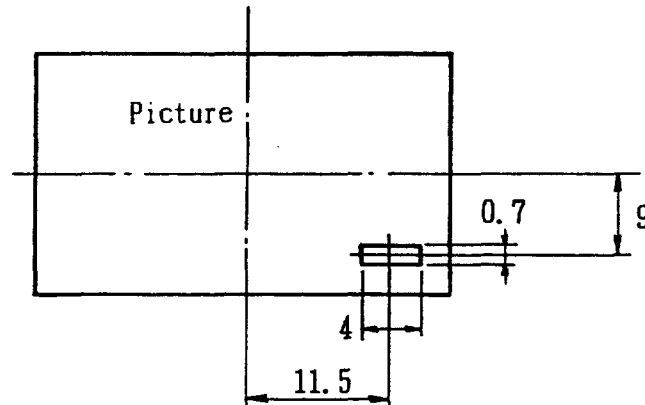
- |     |                          |     |
|-----|--------------------------|-----|
| [1] | Specifications -----     | B 1 |
| [2] | How to Check -----       | B 2 |
| [3] | Explowded Drawings ----- | B 3 |
| [4] | Parts List -----         | B 4 |

## [1] Specifications

- Type: Liquid crystal display; built-in quartz digital watch
- Film speed: ISO32 ~ 3200
- Imprinting Signal time:
 

ISO32 ~ 80	100ms
ISO100	60ms
ISO125 ~ 200	45ms
ISO 50 ~ 400	30ms
ISO500 ~ 3200	20ms
- Imprint mode:
  1. Year/Month/Day
  2. Day/Hour/Minute
  3. No imprint
  4. Month/Day/Year
  5. Day/Month/Year

Automatic date adjustment from Jan. 1st, 1987 to Dec. 31, 2019. Lower two digits are displayed for year.
- Imprinting position:



- Power source: 3V Lithium battery (CR2025 x1)
- Clock accuracy:  $\pm 90$  sec./month at  $20^{\circ} \text{C}$
- Dimensions: Approx. 154.5(W)  $\times$  100.0(H)  $\times$  67.0(D)mm
- Weight: Approx. 660g (Without batteries)



## [2] How to check

### 1. Judgement of data imprinting signal.

Output of data imprinting signal can be confirmed by the tester.

- 1) Select the DC 0.1 ~ 10V range of the tester and connect the tester to data back contacts of the body.
- 2) If the signal is output, the needle of the tester moves for an instant when shutter is released.
- 3) Imprinting signal time can be checked in the same method as above using the Oscilloscope instead of the tester.

### 2. Inspection of imprinting

- 1) Attach mending tape on the data imprinting window of the pressure plate.
- 2) Connect between DB contacts of body and DB contact pins. (Do not connect by soldering)
- 3) Release the shutter, inspect the data imprinted on the mending tape using a magnifying glass.  
Imprinted data is reversed and should be the same as displayed.

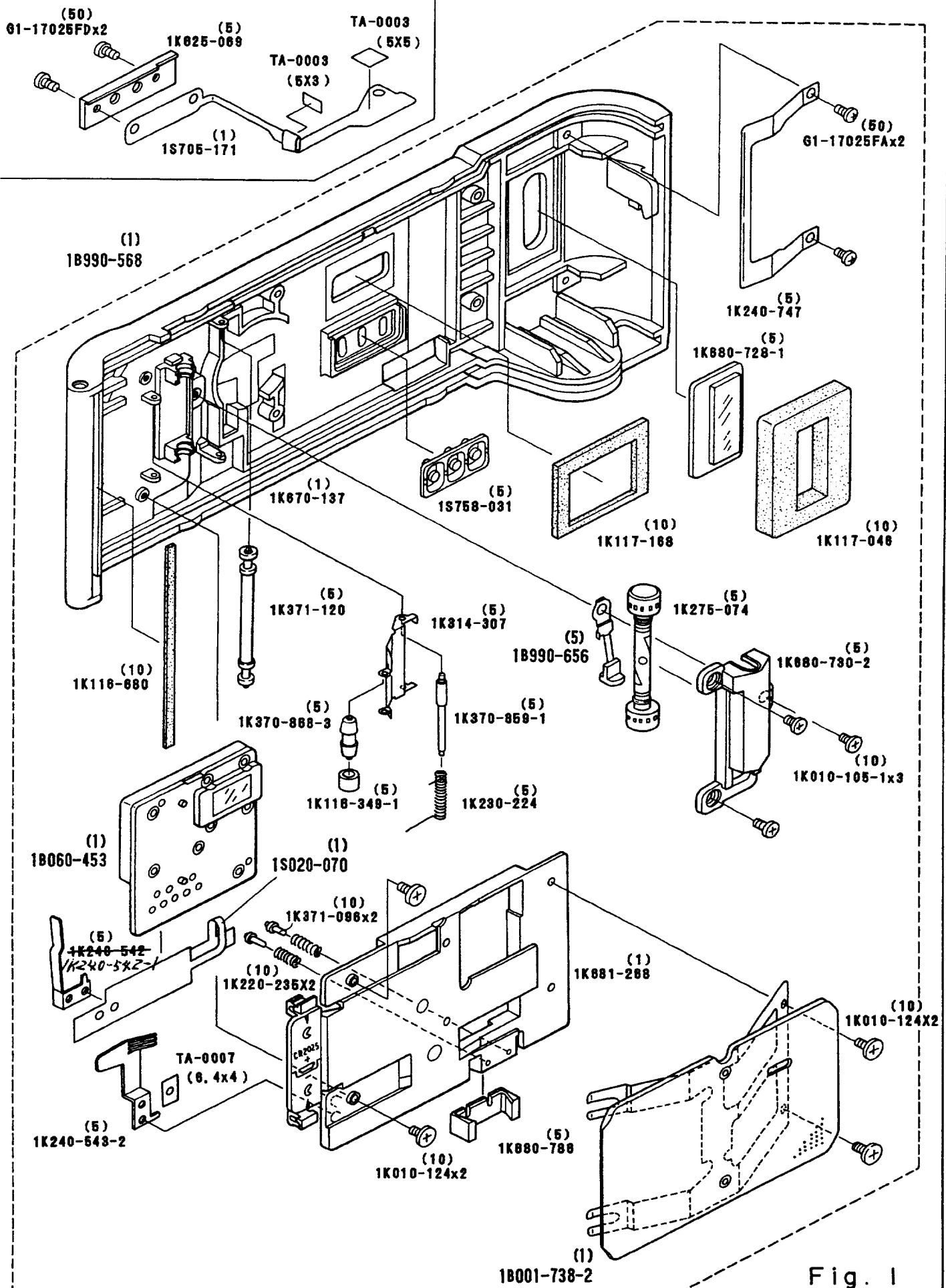


Fig. 1

## 部品表 Parts List

FAA 24251-R. 3282. A

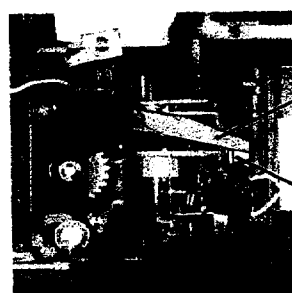
部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
*1K010-105-1	705	Screw	3	1B990-568	1	○△	F-401 F-401S F-601 F-601M	10
*1K010-124	6643	DB止めネジ SCREW	4	1B990-568	1	○△	F-401QD F-401SD	10
1K116-349-1	621	フィルム ローラー ゴム Film roller rubber	1	1B990-568	1	○△	F-601 F-601M	5
*1K116-680	6699	植毛紙 Flocked sheet	1	1B990-568	1	○△	F-401 F-401S F-601 F-601M	10
1K117-046	607	バトロネ窓モルト Sponge, Film cartridge window	1	1B990-568	1	○△	F-601 F-601M	10
1K117-166	6686	両面テープ (5×5) Double coated adhesive tape	1		1	○	TA-0003	1 roll
1K117-167	6687	両面テープ (5×3) Double coated adhesive tape	1		1	○	TA-0003	1 roll
1K117-168	6659	モルト Light-tight sponge	1	1B990-568	1	○△		10
*1K220-235	6645	接点バネ Contact spring	2	1B990-568	1	○△	F-401QD F-401SD	10
1K230-224	618	フィルム ローラーバネ Spring, Film roller plate	1	1B990-568	1	○△	F-601 F-601M	5
<del>1K240-542</del> 1K240-542-1	6648	電池接片 (+) Battery contact (+)	1	1B990-568	1	○△		5
1K240-543-2	6649	電池接片 (-) Battery contact (-)	1	1B990-568	1	○△		5
1K240-747	602	バトロネ位置決めバネ Film cartridge setting spring	1	1B990-568	1	○△	F-601 F-601M	5
1K275-074	623	フィルム ローラー 2 Film roller 2	1	1B990-568	1	○△	F-601 F-601M	5
1K314-307	616	フィルム ローラー板 Film roller plate	1	1B990-568	1	○△	F-601 F-601M	5

## 部品表 Parts List

FAA24251-R. 3282. A

部品番号 Part No.	補助番号 Ckt No.	名 称 Name	1台分 個 数 Pcs. Per Unit	部組品番号 Assembly	参照 図番 Fig. No.	販売区分 Term of Delivery	備 考 Remarks	要求単位 Q'ty per order
1K370-859-1	617	フィルム ローラー軸 Film roller shaft	1	18990-568	1	○△	F-601 F-601M	5
1K370-868-3	620	フィルム ローラー 3 Film roller 3	1	18990-568	1	○△	F-601 F-601M	5
1K371-096	6644	接点ピン Contact pin	2	18990-568	1	○△	F-401QD F-401SD	10
1K371-120	6613	フィルム ローラー 1 Film roller 1	1	18990-568	1	○△		5
1K600-747	6650	銅箔テープ (6.4×3) Tape copper foil	1	18990-568	1	○△	TA-0007	1 roll
1K625-069	6237	DB接点カバー Data back contact cover	1		1	○	F-401QD F-401SD	5
1K670-137	6601	裏蓋 Camera back	1	18990-568	1	○△		1
1K680-728-1	606	バトロネ窓 Film cartridge window	1	18990-568	1	○△	F-601 F-601M	5
1K680-730-2 (1680-730-1)	626	フィルム ローラー 2 カバー Cover, Film roller 2	1	18990-568	1	○△	F-401S F-601 F-601M	5
1K680-786	6646	接点蓋 Contact cover	1	18990-568	1	○△	F-401QD F-401SD	5
1K681-268	6642	DB基板 Module base plate	1	18990-568	1	○△		1
1S705-171	1007	* DB-FPC (ボデー側) * DB-FPC (BODY SIDE)	1		1	○		1
1S758-031	6647	スイッチゴム Switch rubber	1	18990-568	1	○△		5
11-17025FA	838	Screw	2	18990-568	1	○△		50
11-17025FD	839	Screw	2		1	○		50

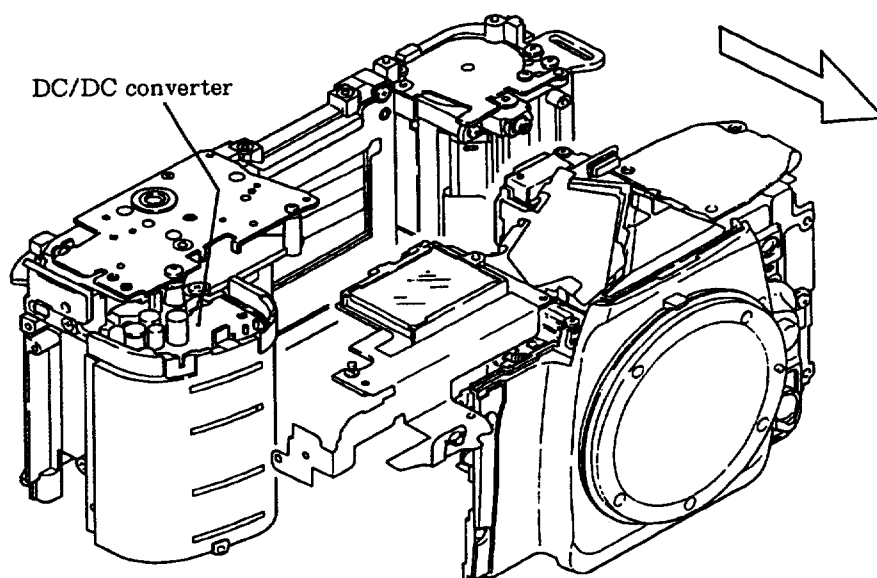
# REMOVING FRONT PLATE



Shutter charge lever  
(rear body side)

Shutter set lever  
(front plate side)

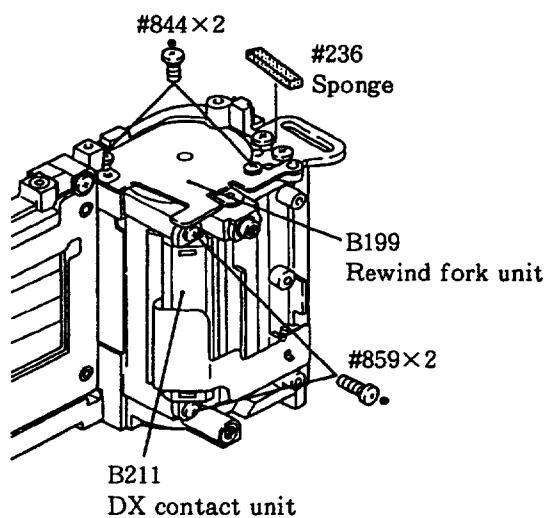
Give care to the hooking two  
levers as shown in the picture.



- Remove front plate forwardly while giving care to wires and FPC.
- DC/DC converter can be removed.

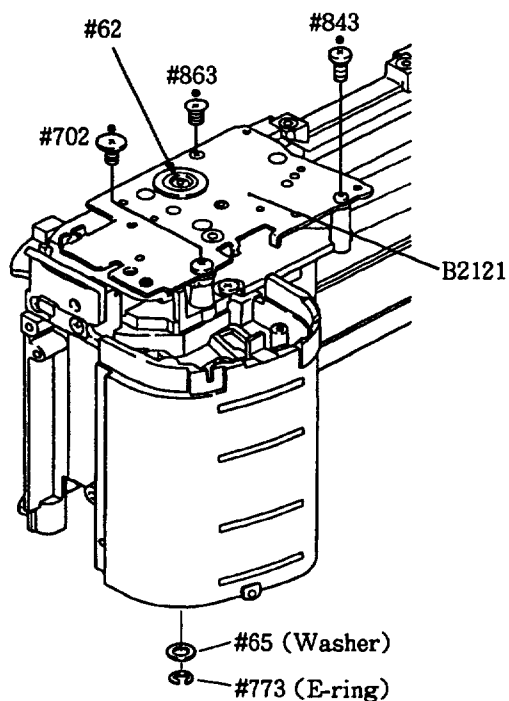
## 2. REAR BODY

### DX CONTACT UNIT, REWIND FORK UNIT



Detach rewind fork unit to remove rewind gear shaft #195 and gear #196.

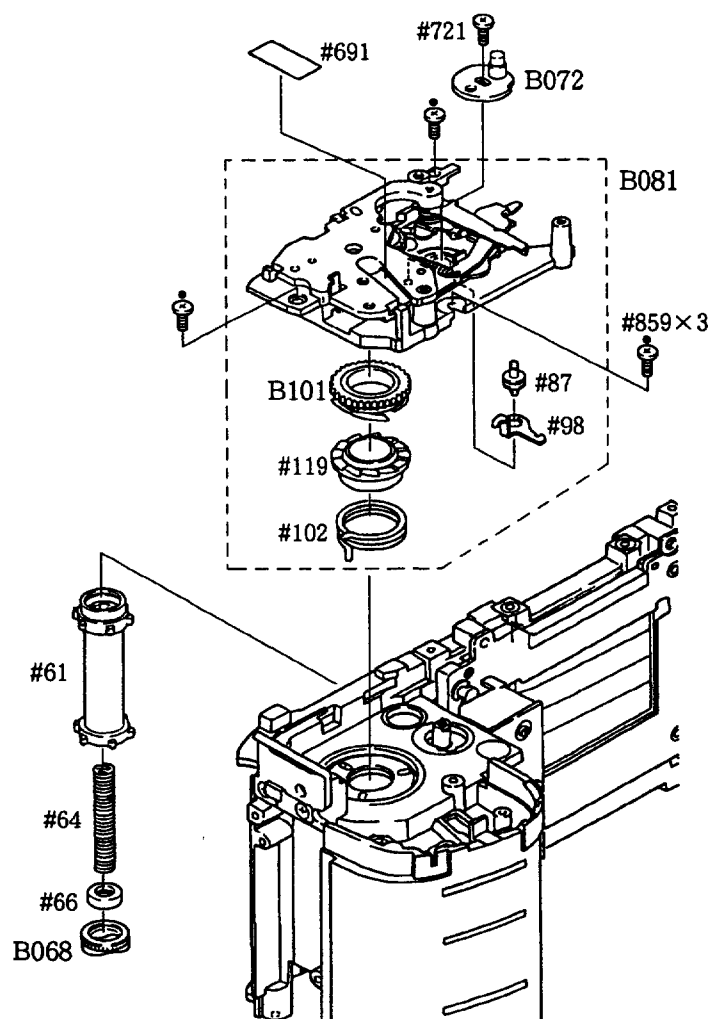
### UPPER FILM ADVANCING UNIT



Remove E-ring and washer at the lower of sprocket shaft #62.

**Note:** Remove screws (x3) only to detach upper film advancing unit.

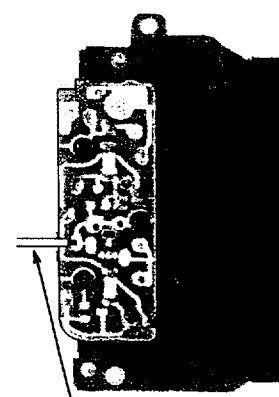
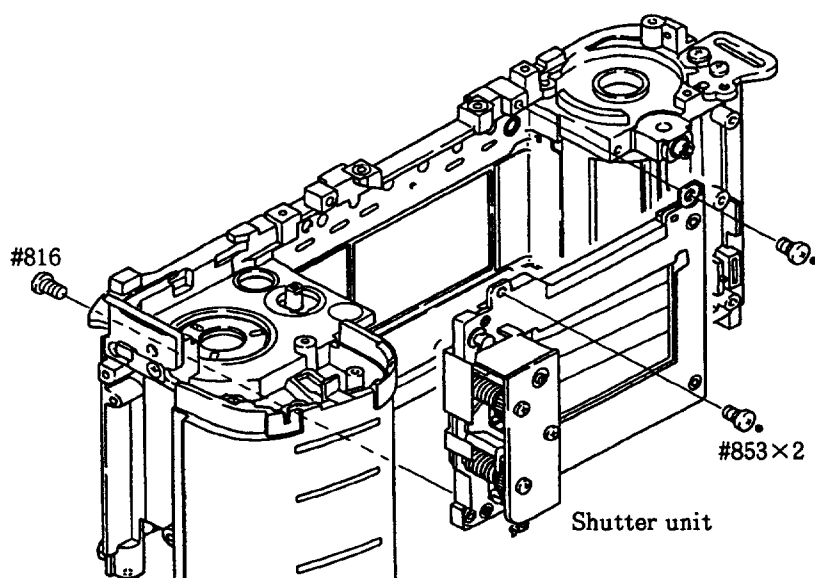
# LOWER FILM ADVANCING MECHANISM UNIT



- Remove screw #721 which holds reference shaft disk B072.

- Peel off adhesive tape #691.

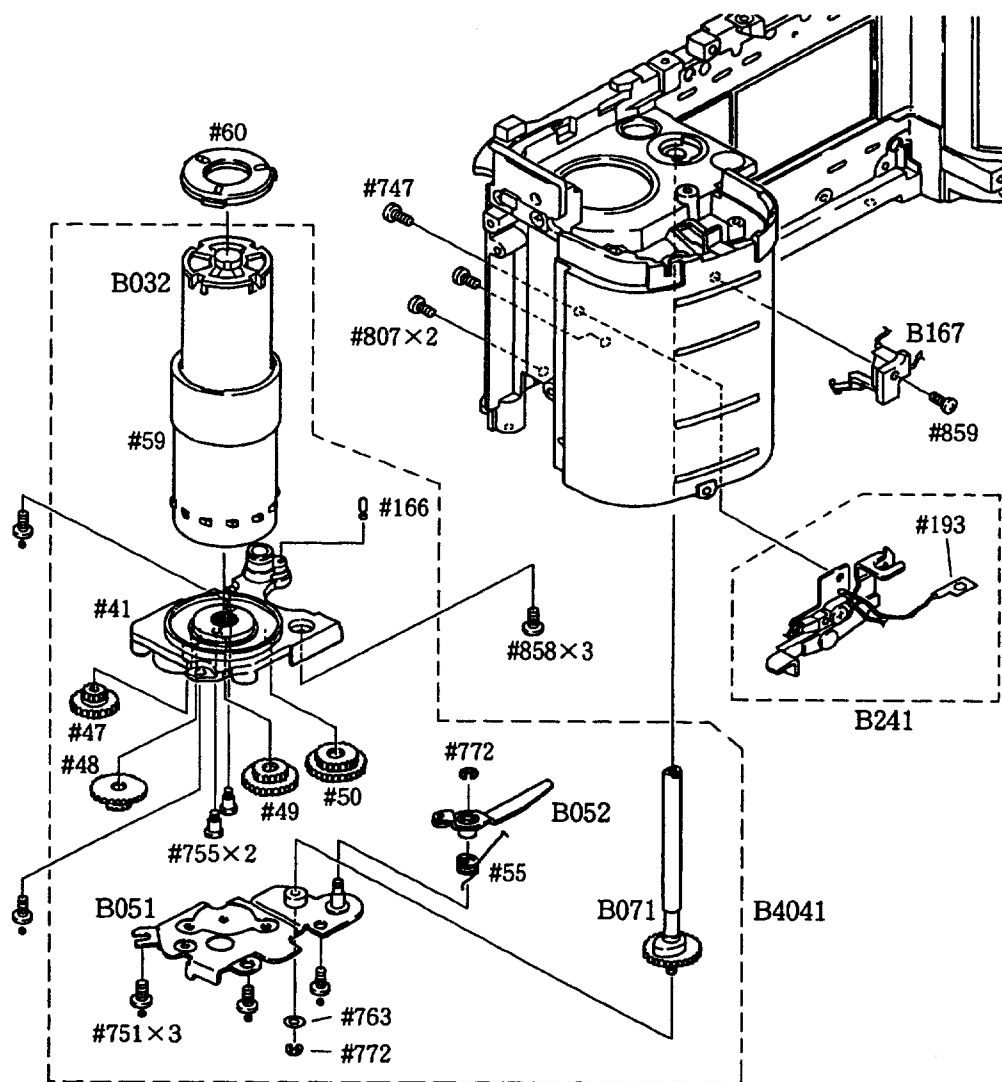
## SHUTTER UNIT



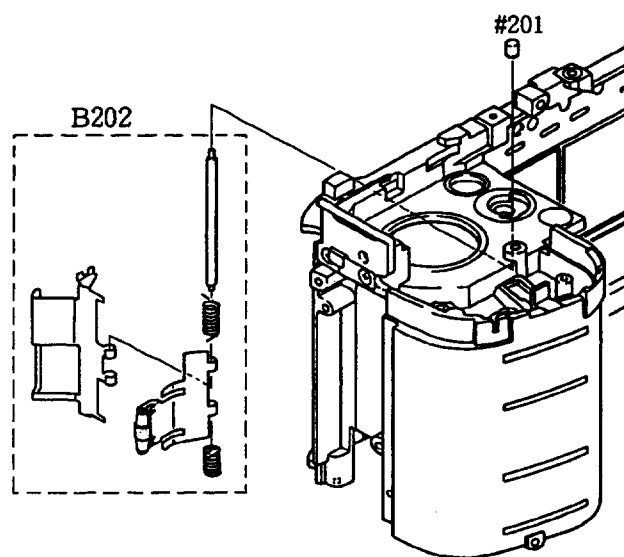
Black wire

Remove black wire (film advance SW) from shutter PCB.

FILM ADVANCE SW, REWIND SW UNIT, MOTOR ROTATION REDUCING UNIT

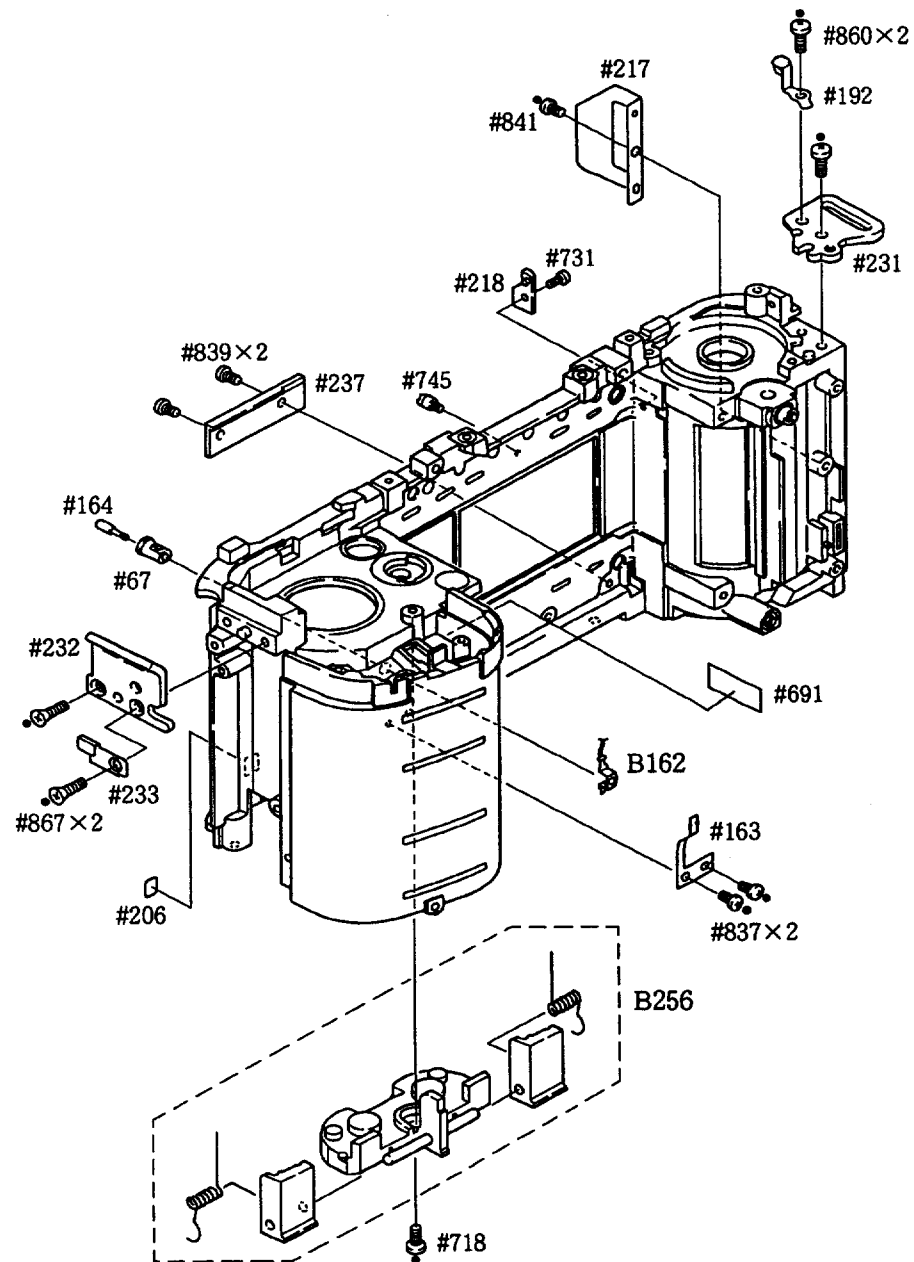


FILM ROLLER



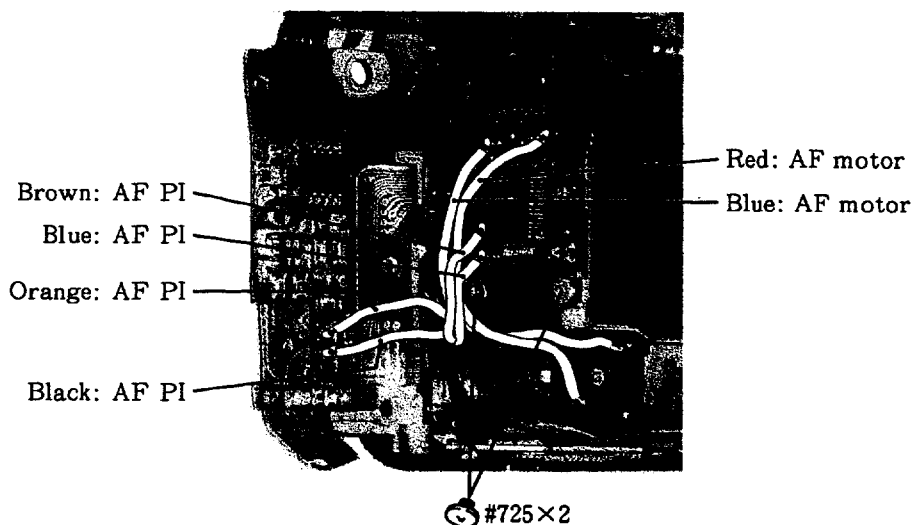


REAR BODY DIECAST SMALL PARTS
-------------------------------



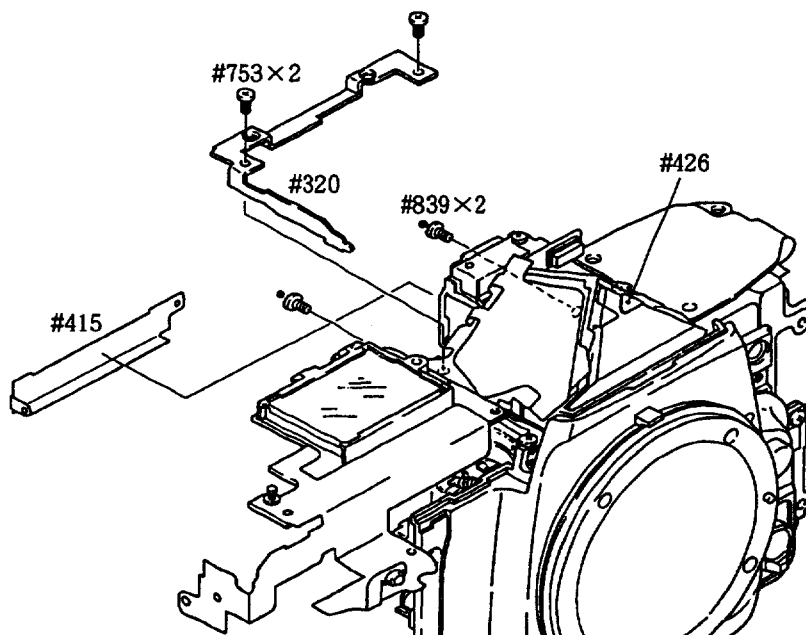
### 3. FRONT PLATE

AF FPC, REMOVING SOLDER OF MAIN FPC WIRES, REMOVING PRESS-CONTACT



#### MAIN FPC

Supposing that soldered portion as shown in pages D6 to D8 have all been removed.

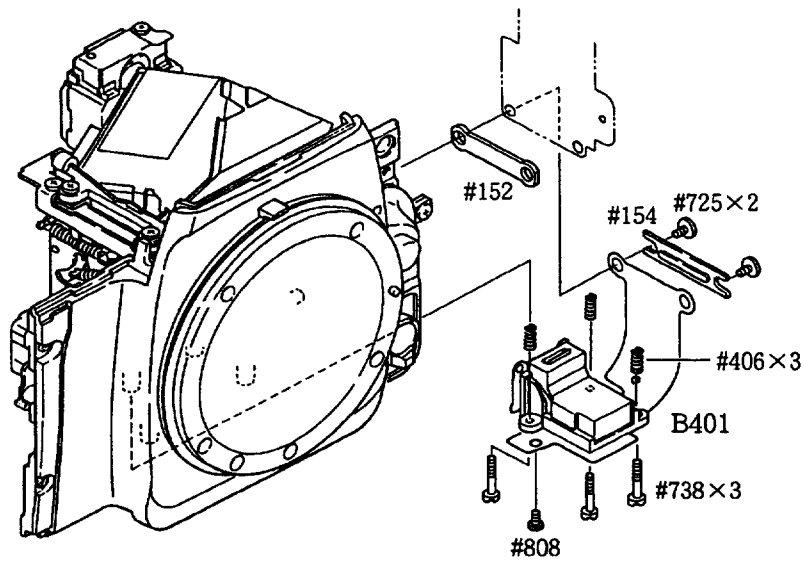


- Screws #839x2 indicate fixed screws inside viewfinder display.
- Peel off main FPC from penta prism holding plate #426.

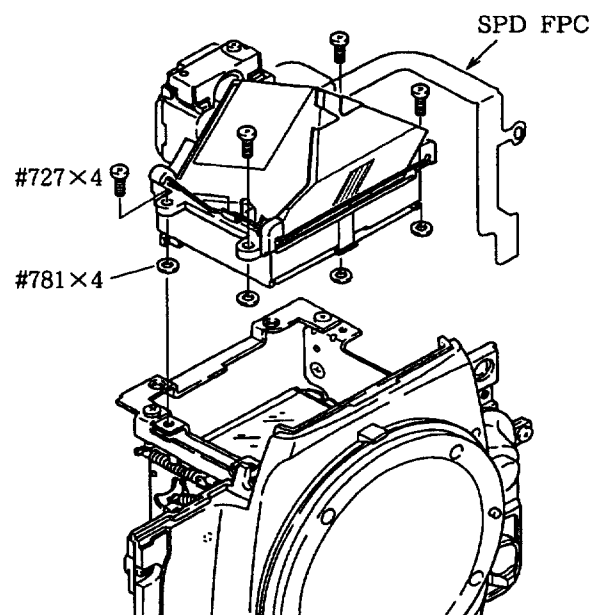
#### Note:

- ① Do not peel main FPC forcibly or it may be damaged, because it is bonded by double coated adhesive tape. Refer to page D16, the way to remove main FPC by removing penta prism holding spring #427 and take off FPC together with penta prism holding plate #426, when you take off main FPC only.
- ② Unless otherwise removing I base plate or L base plate, return IL supporting plate back to the original position. If you remove prism box BB421 with IL supporting plate removed, the gap between I and L base plates vary.

AF FPC

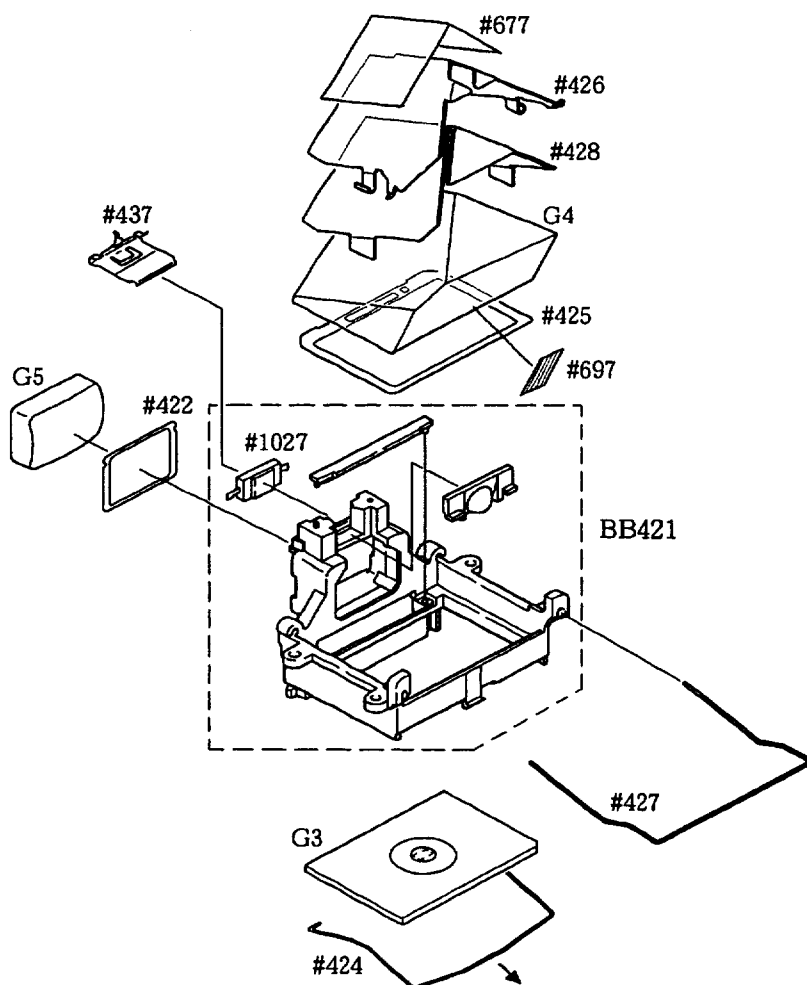


PRISM BOX



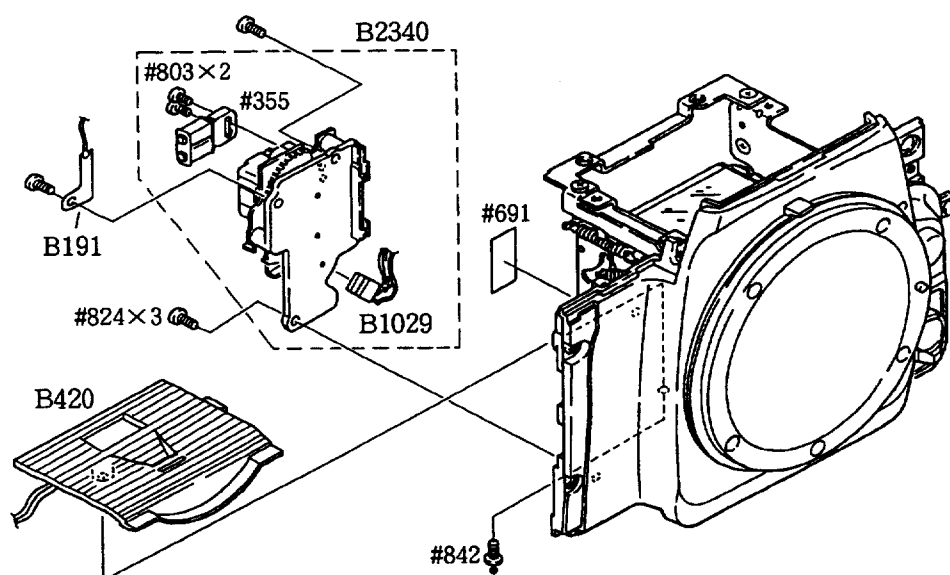
\* Never remove SPD FPC unless it is necessary.

PENTA PRISM, SCREEN

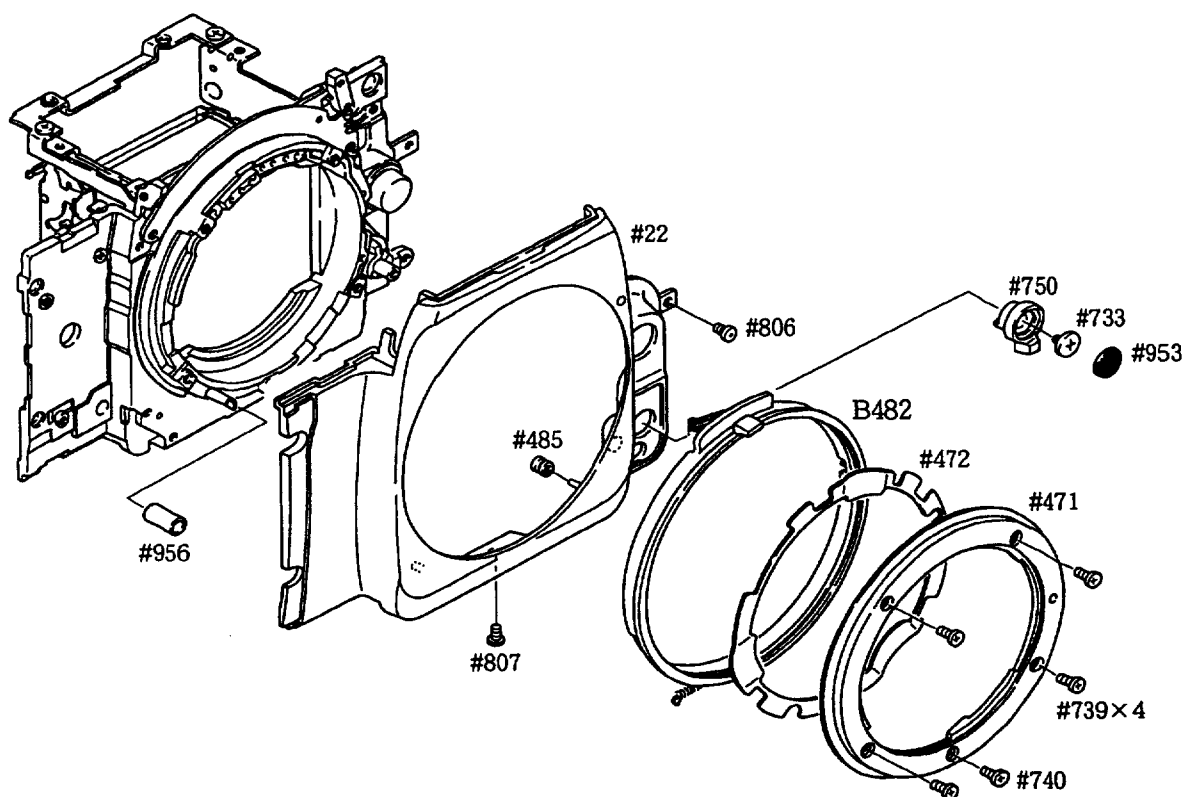


- When removing screen G3, pull screen spring #424 in the direction indicated by arrow.
- You can remove screen after the body is completely assembled.

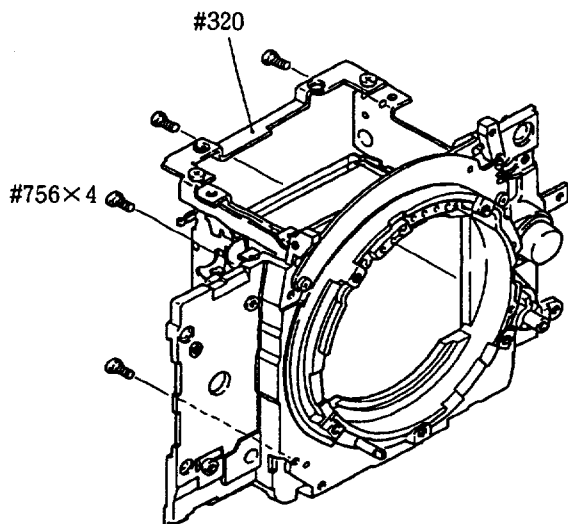
# APERTURE CONTROL UNIT, MIRROR BOX BOTTOM PLATE



## APRON, BAYONET



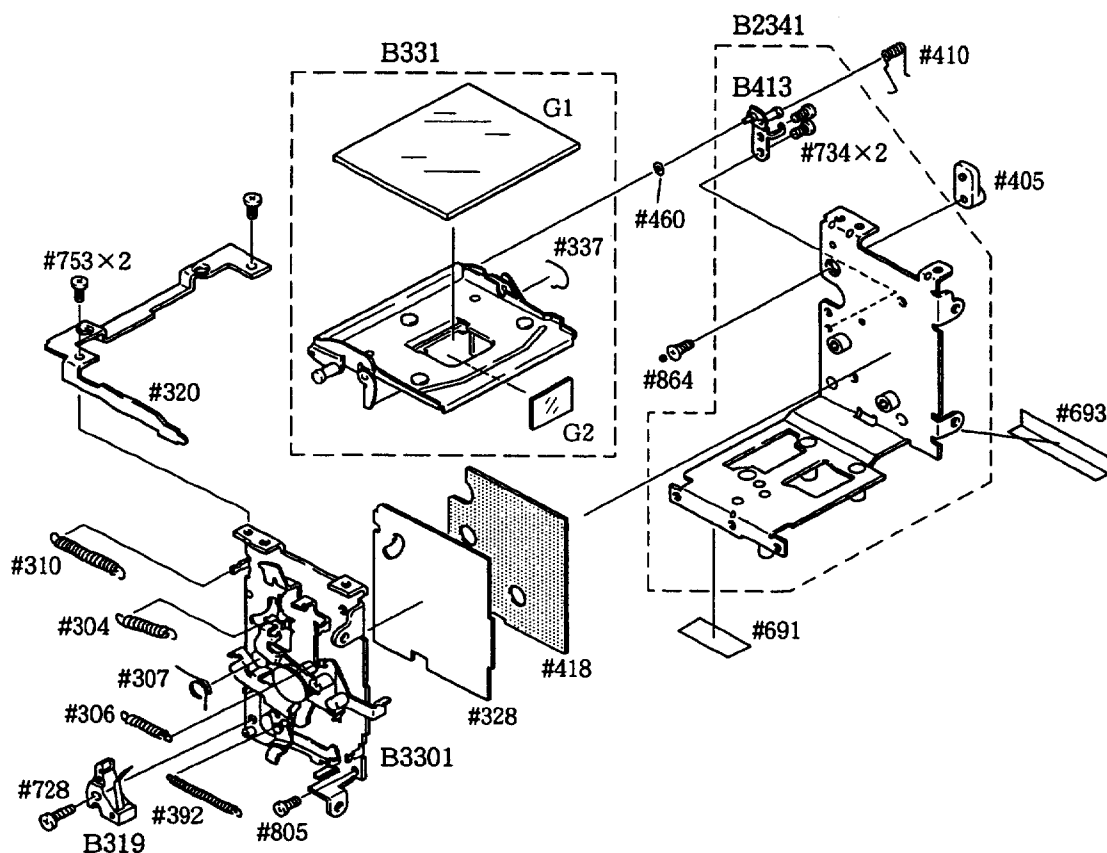
I & L BASE PLATES



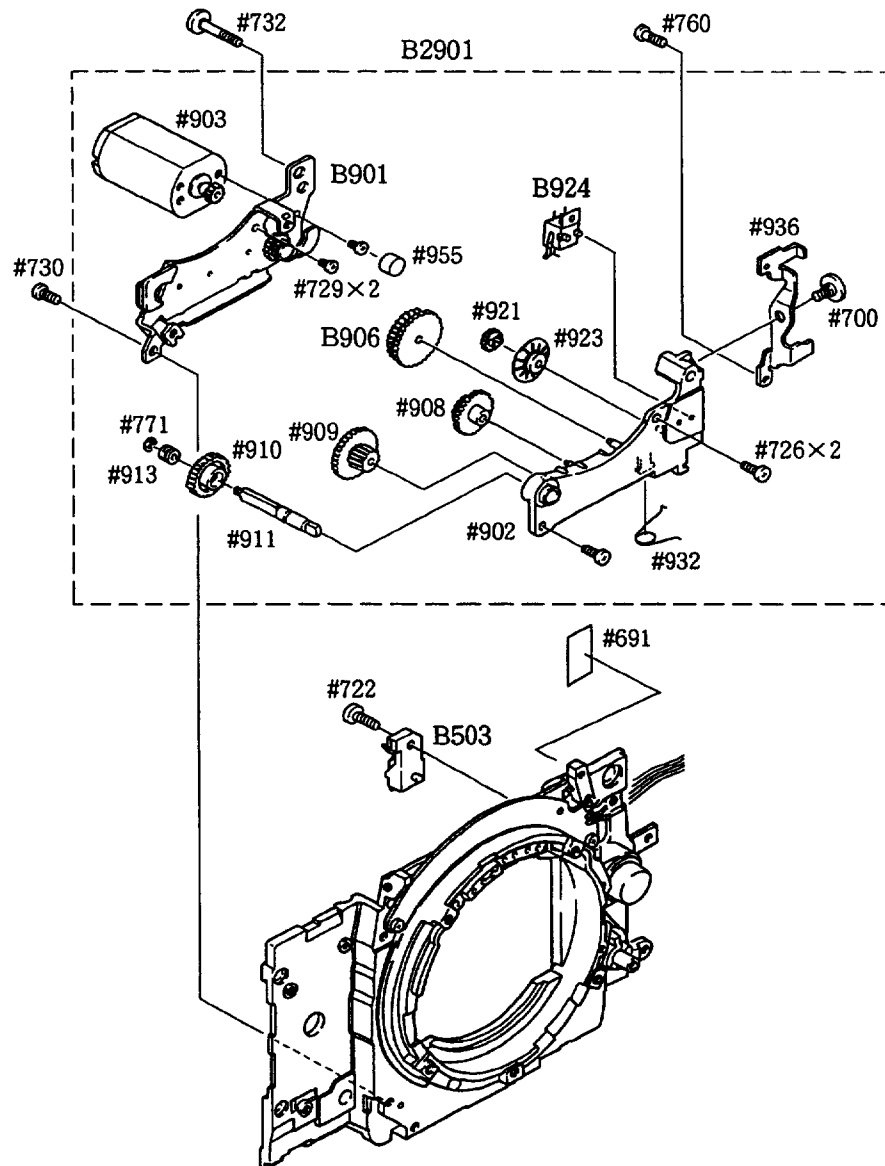
**Note:** Never remove IL supporting plate #320 unless otherwise disassembling I or L base plate, or the gap between I & L base plates may vary and malfunction the movement of mirror.

DISASSEMBLING I & L BASE PLATES

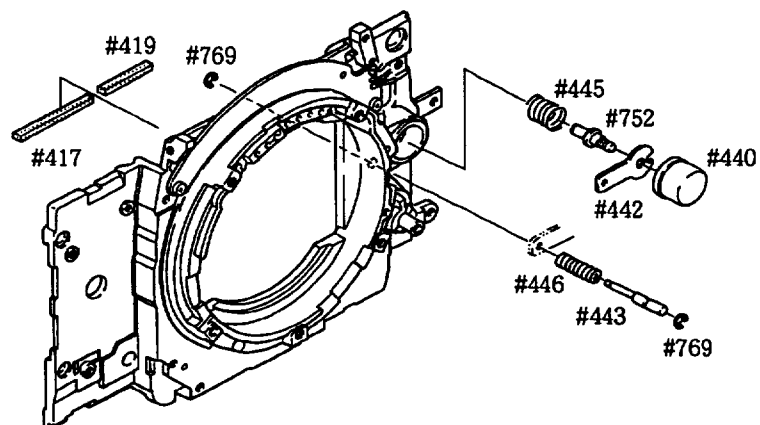
- Remove screws #753x2 of IL supporting plate #320.
- Remove screws #805, and #728 of mirror SW.



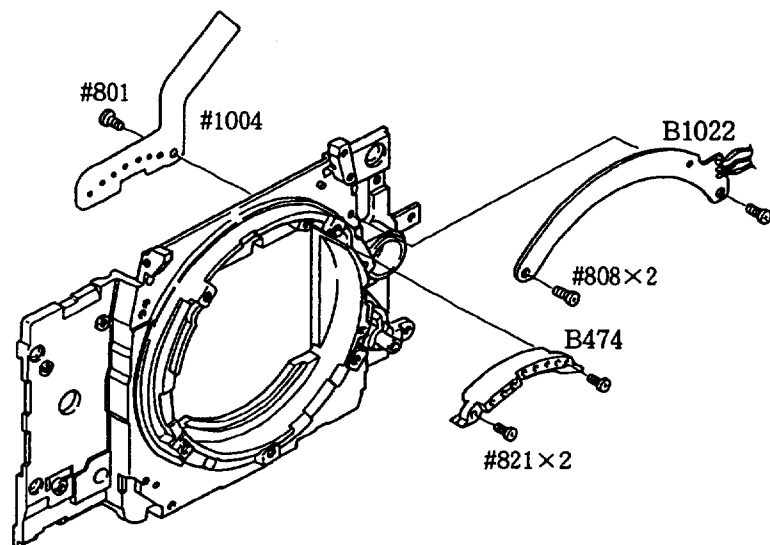
## AF DRIVING UNIT



## LENS RELEASE BUTTON

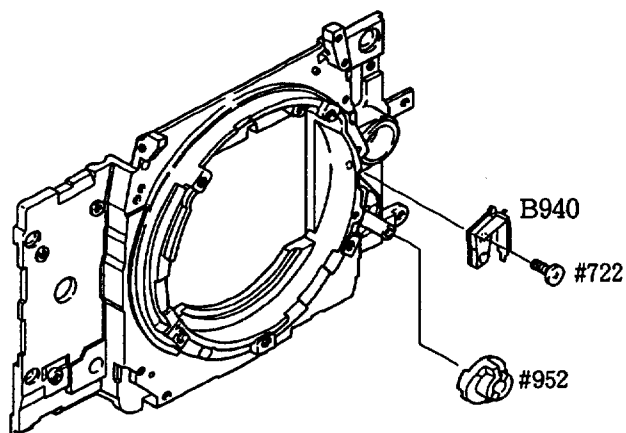


LENS CONTACT, f-fo PCB



Remove solder of lens contact FPC #1004.

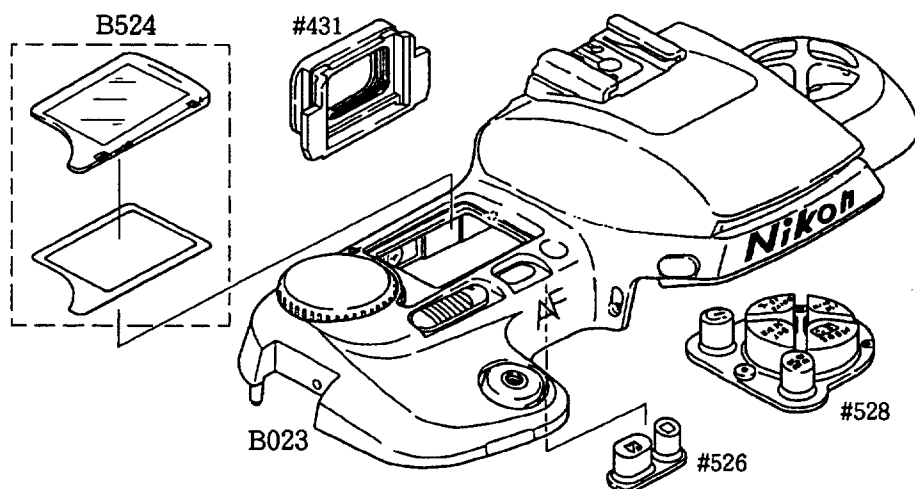
AF MODE SW





## 4. OTHER ASSEMBLY PARTS

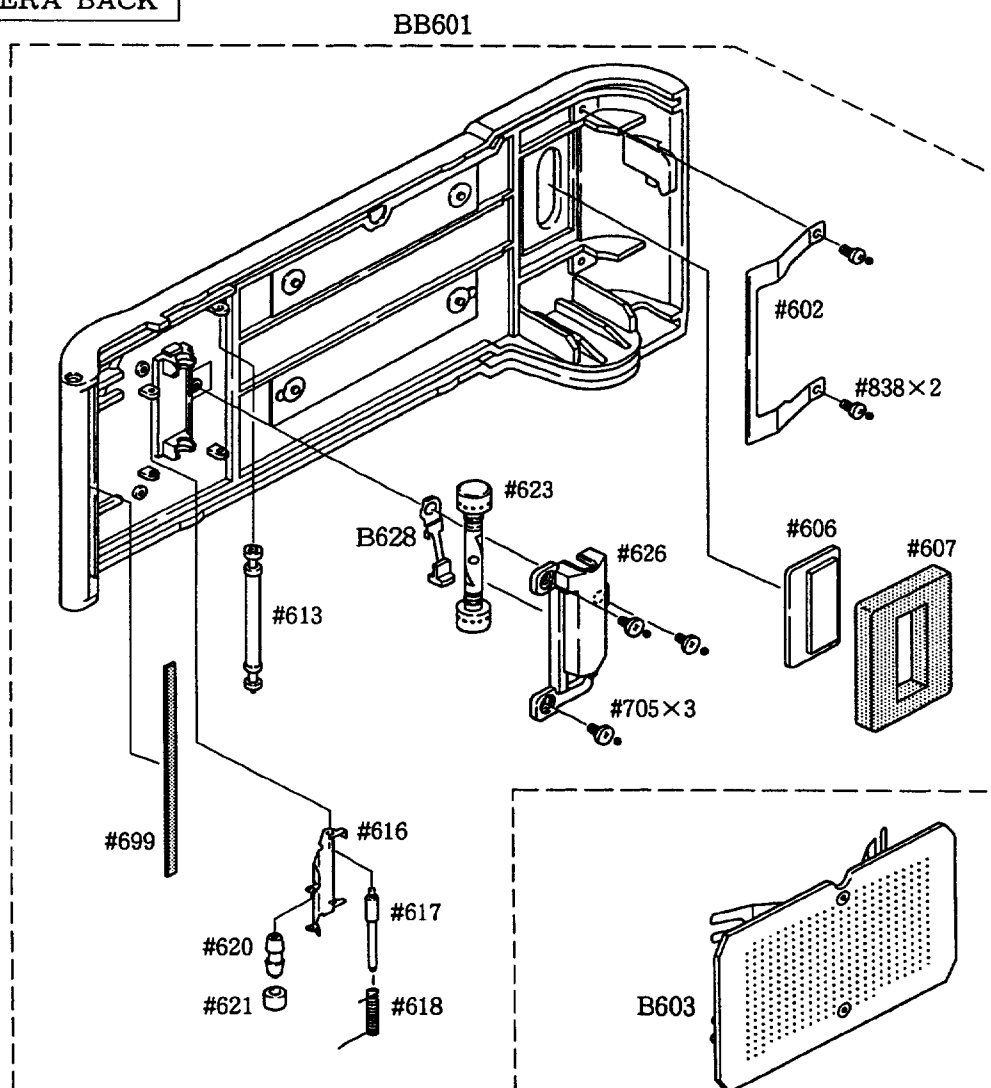
## TOP COVER SMALL PARTS



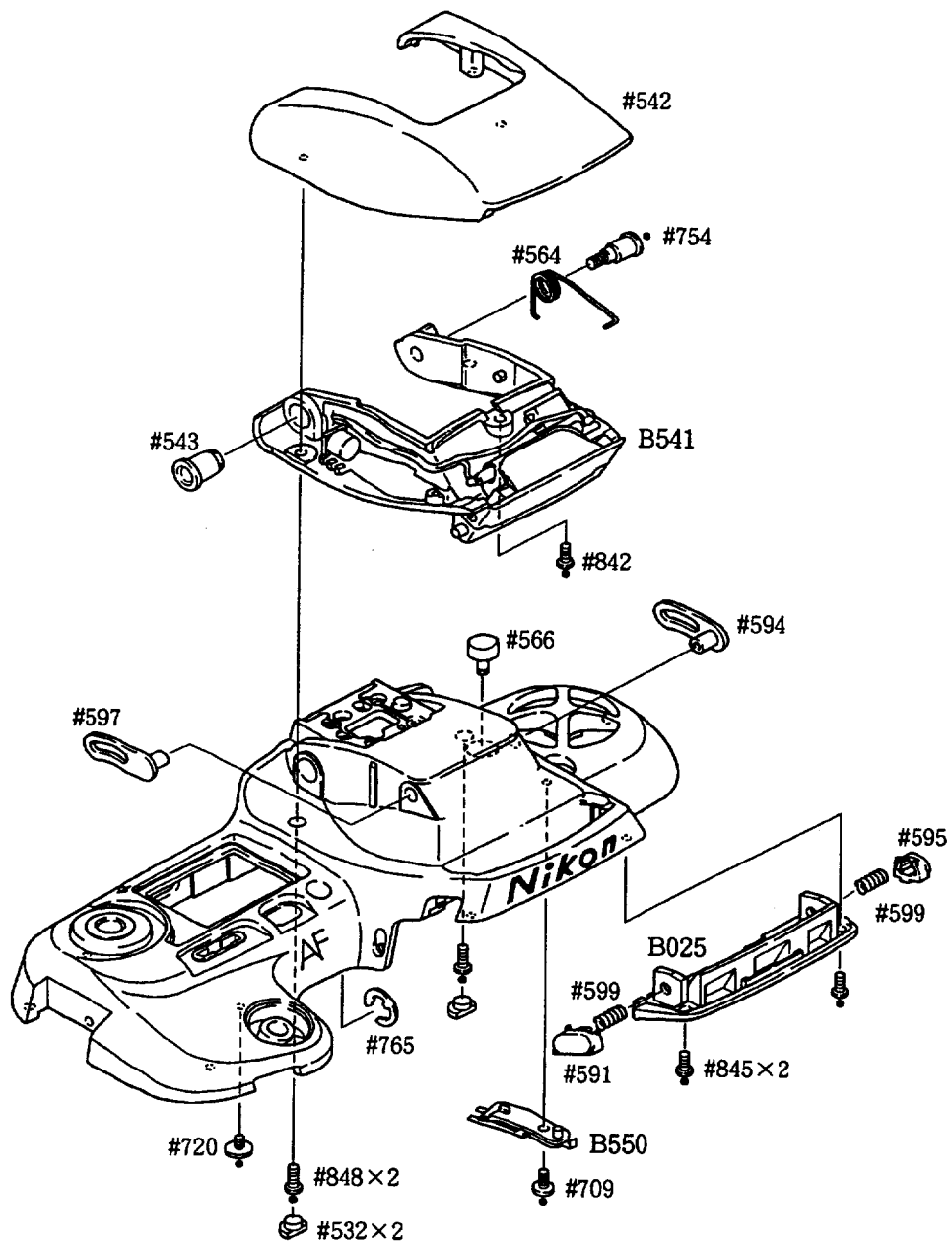
• Parts with part numbers are not included in assembly parts.

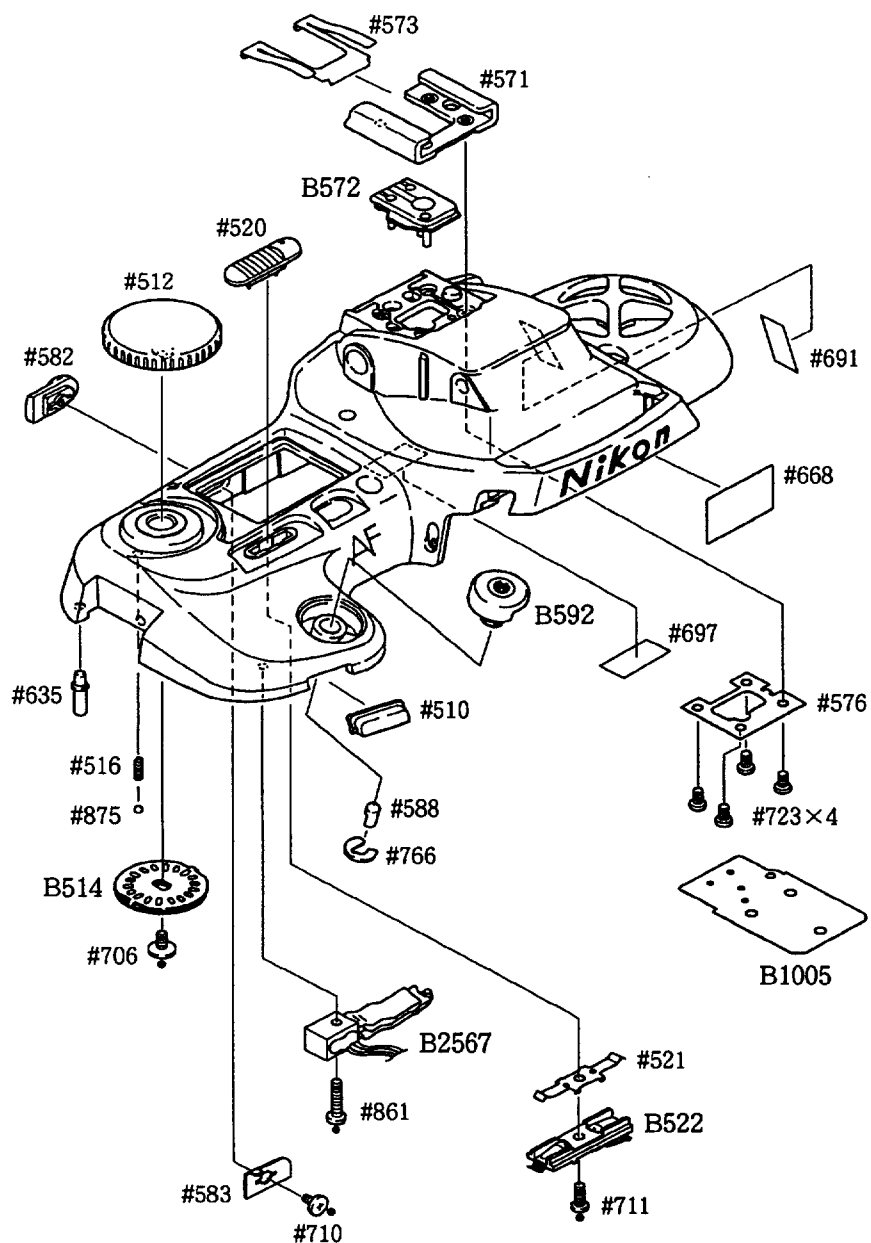
• LCD window B524 is secured on the top cover with black double coated adhesive tape.

## CAMERA BACK



TOP COVER





■ For other parts, refer to Assembling and adjustment section or exploded drawings.

## Adjustment - Assembling

## 1. Rear body

Small parts of rear body diecast -----	A 1
Film roller -----	A 2
Motor rotation reducing unit -----	A 2
Sprocket, Film advance SW, Rewind SW, Shutter, DX contact -----	A 3
Soldering of Film advance SW's black wire -----	A 4
Wiring of Rewind SW's wires -----	A 4
Film advance mechanism unit, Reference shaft disk, Rewind fork and Film advance unit -----	A 5
Assembling position of Film advance mechanism unit -----	A 6
Assembling position of Reference shaft disk -----	A 6
Assembling position of Film advance unit -----	A 7
Checking of shutter charge lever & mirror up lever -----	A 8

## 2. Front plate

AF mode SW -----	A 9
Lens contact -----	A 9
Lens release button -----	A 1 0
AF driving unit -----	A 1 0
Assembling of I & L base plates -----	A 1 1
Apron, Bayonet -----	A 1 2
Spring position of I base plate, applying grease, adjustment of aperture lever position & adjustment of mirror SW on position --	A 1 2
Inspection of AF related SW -----	A 1 3
Operation of AF driving unit -----	A 1 3
Height adjustment of AF coupling pin #911 -----	A 1 3
Aperture control, Mirror bottom plate -----	A 1 4
Adjustment of aperture control Mg reset position -----	A 1 4
Pentaprism, Screen -----	A 1 5

Prism box -----	A 15
Adjustment of main mirror's angle (45°) -----	A 16
Adjustment of sub-mirror's angle (45°) -----	A 16
Adjustment of infinity -----	A 16
AF FPC, Main FPC, Light baffle plate -----	A 17
Bending of Main FPC -----	A 18
Soldering of wires to AF FPC & Main PPC -----	A 18
Pasting of light baffle plate -----	A 19

### 3. Assembling of rear body & front body

Aligning of rear body & front body -----	A 20
Checking operation -----	A 22
Soldering -----	A 22
Camera back O/C cover plate, Top cover -----	A 25
Soldering of top cover's wires -----	A 26
Rewind base plate -----	A 27
Checking & adjustment of body back -----	A 27
Checking & adjustment of infinity -----	A 27
Flash base plate, Hand grip -----	A 28
Soldering of Flash base plate -----	A 28
Checking & adjustment of AE accuracy -----	A 29
Checking & adjustment of AF accuracy -----	A 29
Camera back door -----	A 30
Bottom cover -----	A 30
Check & Clean -----	A 31

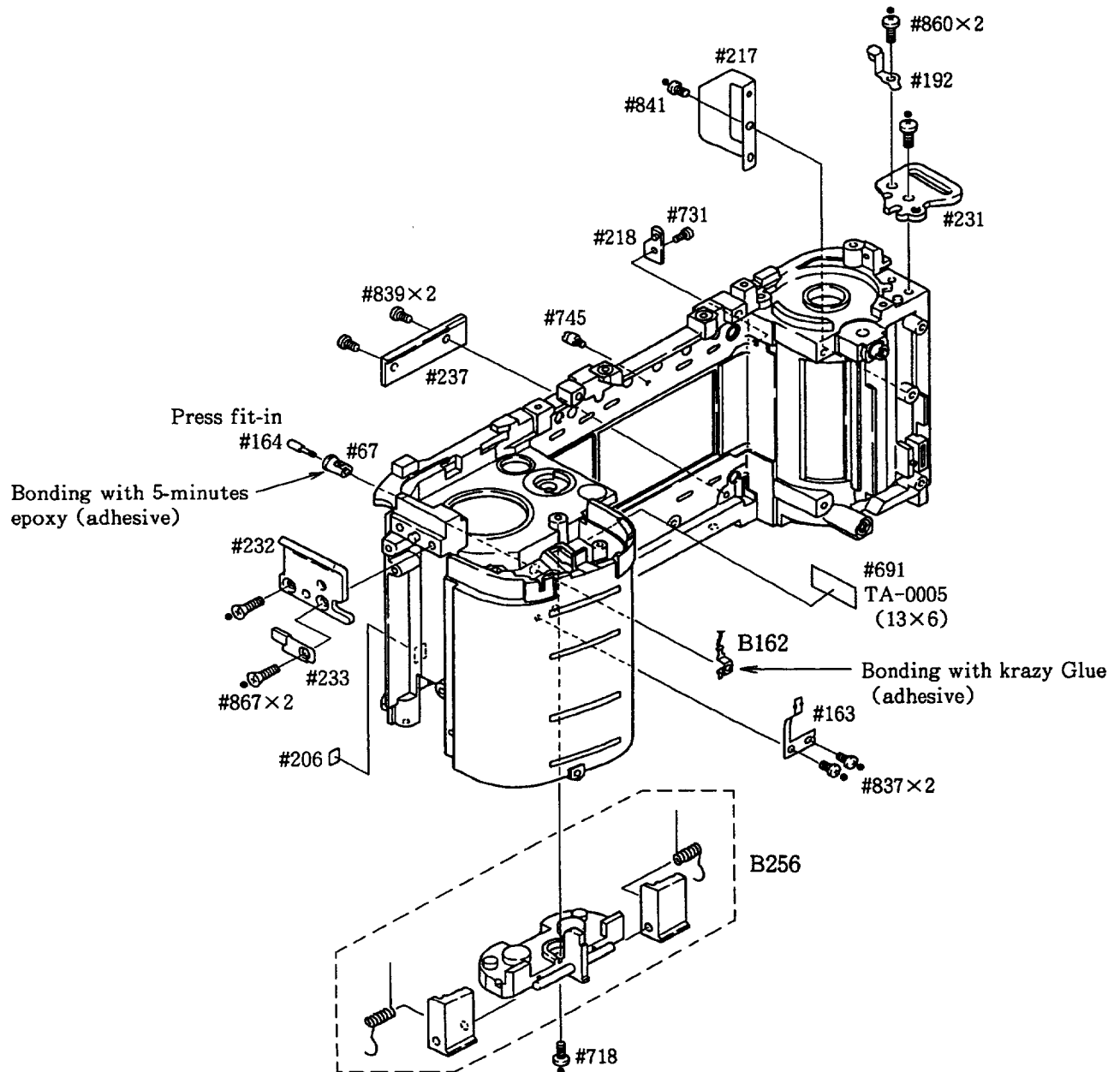
### 4. Other assembly parts

Top cover -----	A 31
Main mirror, Sub-mirror -----	A 33
Pasting of AE SPD -----	A 34

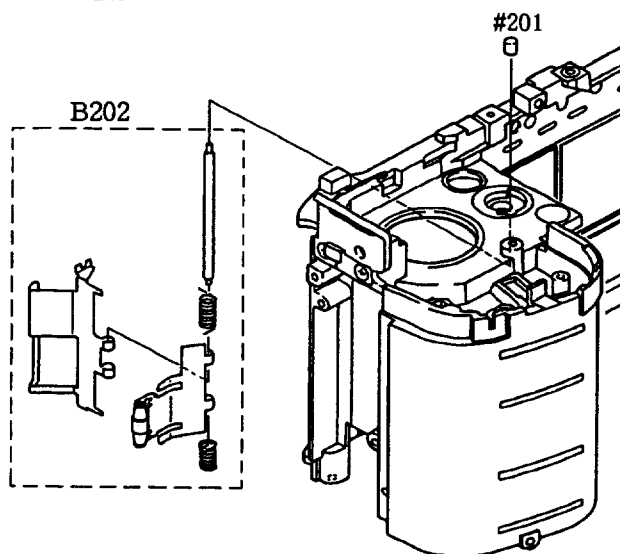
# ASSEMBLING

## 1. REAR BODY

### DIECAST SMALL PARTS

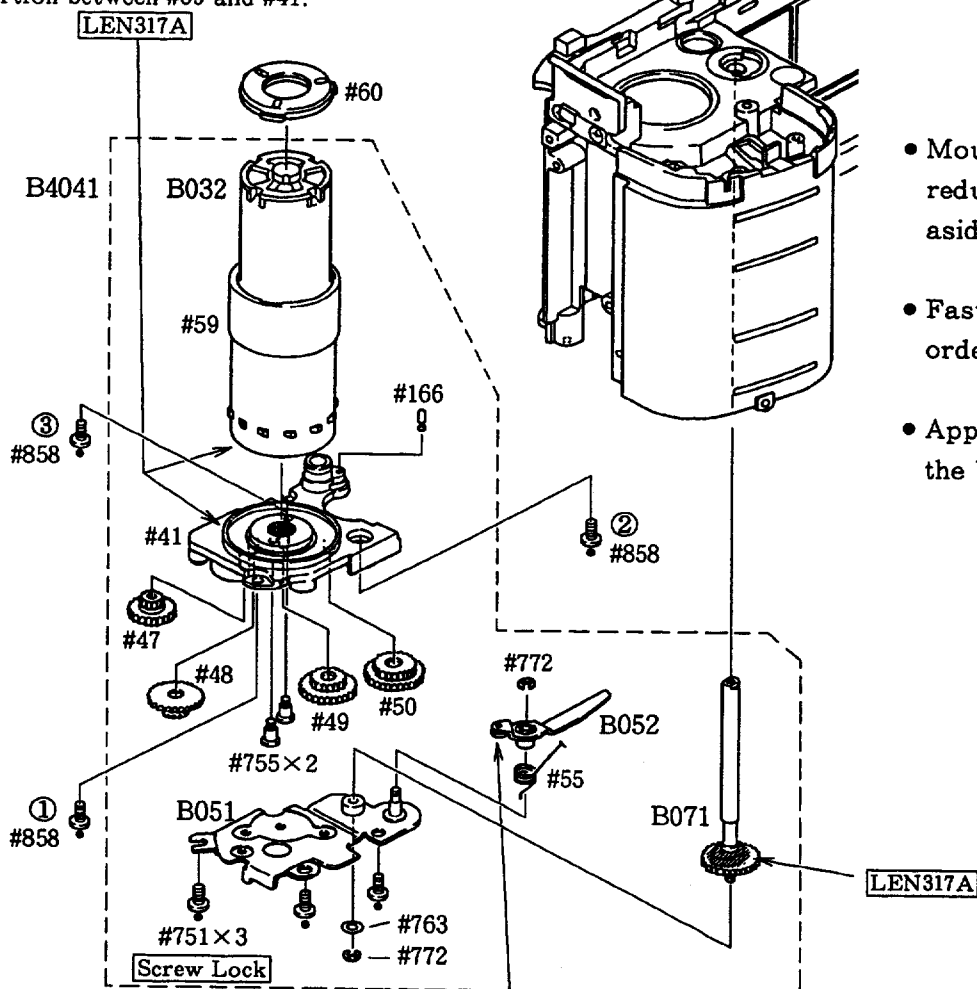


BODY-SIDE FILM ROLLER



MOTOR ROTATION REDUCING UNIT

Apply grease to the sliding portion between #59 and #41.



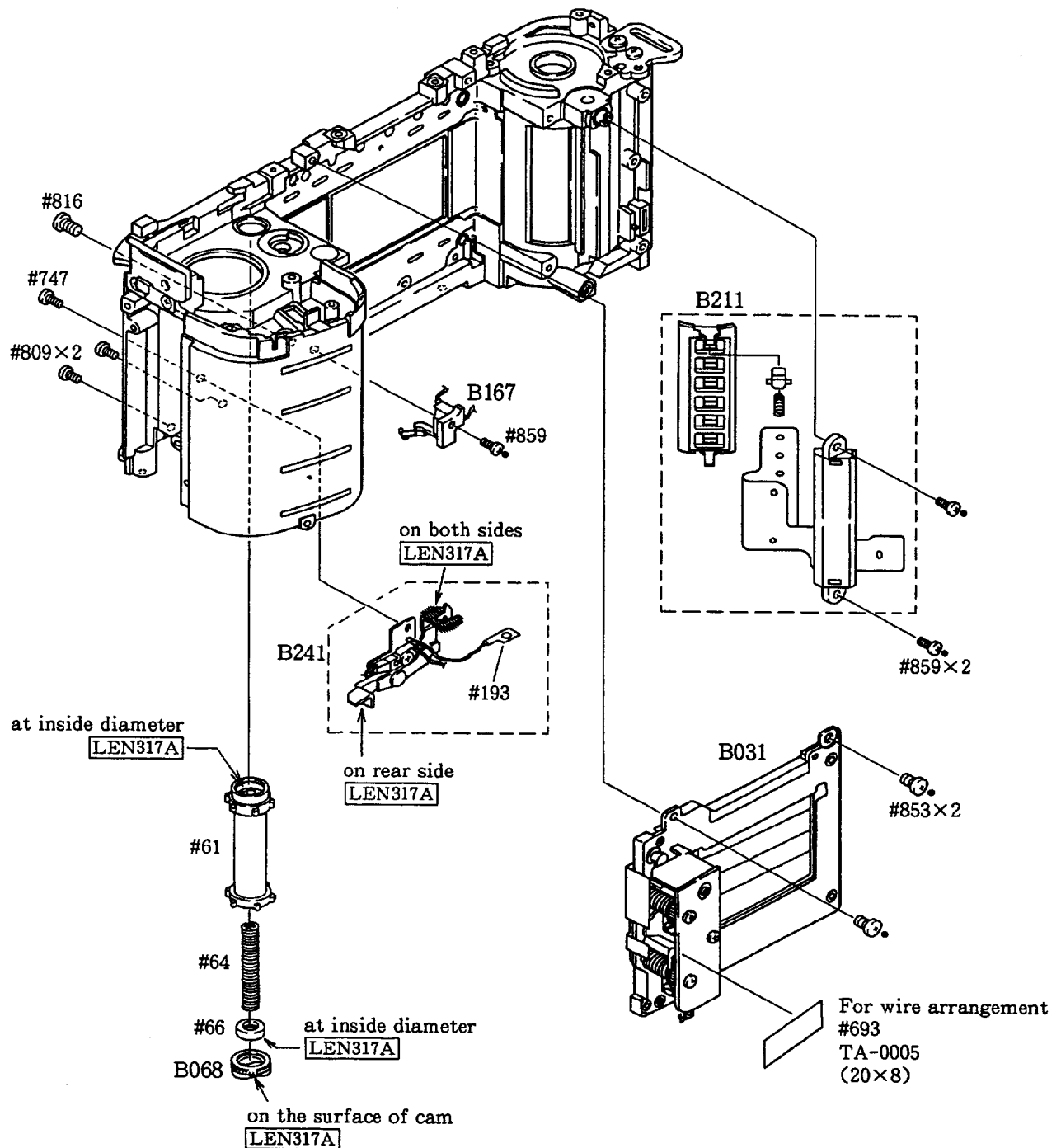
- Mount the motor rotation reducing unit by setting aside film roller.
- Fasten screws #858 in the order from ① to ③.
- Apply grease LEN317A to the bearing of each gear.

Apply grease to the roller.

LEN317A

SPROCKET, FILM ADVANCE SW, REWIND SW UNIT, SHUTTER, DX CONTACTS

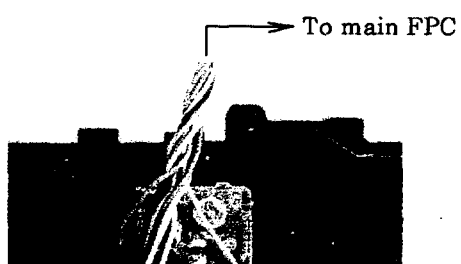
- Contact of film advance SW should be on the pin #166 of motor rotation reducing unit correctly.
- Do not bend the contacts of film advance SW.





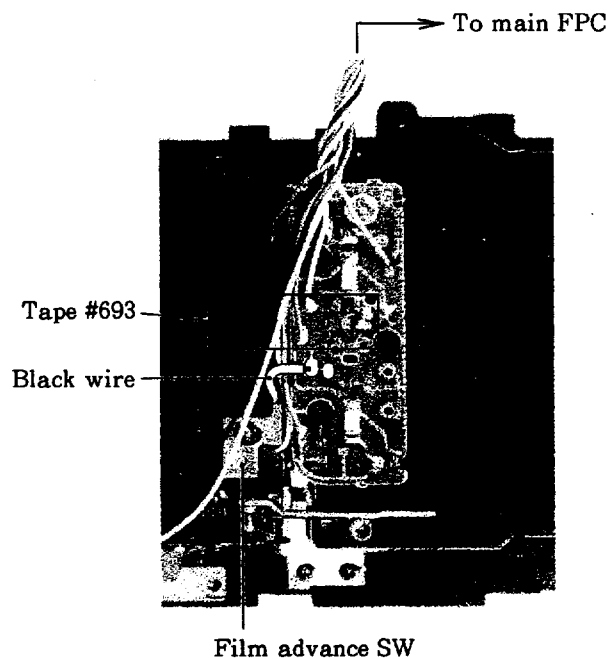
FAA24051 - R.3282.A

SOLDERING BLACK WIRE OF FILM ADVANCE SW



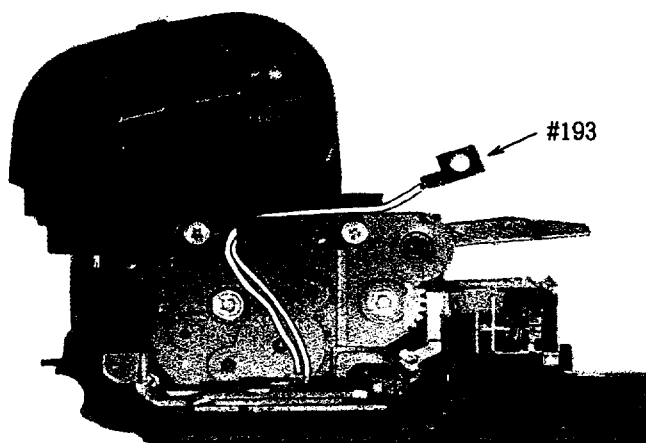
Twist wires (X8) to be soldered to

SOLDERING BLACK WIRE OF FILM ADVANCE SW



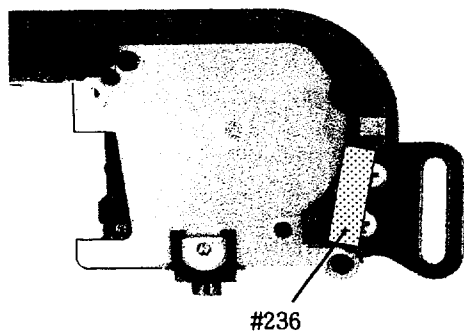
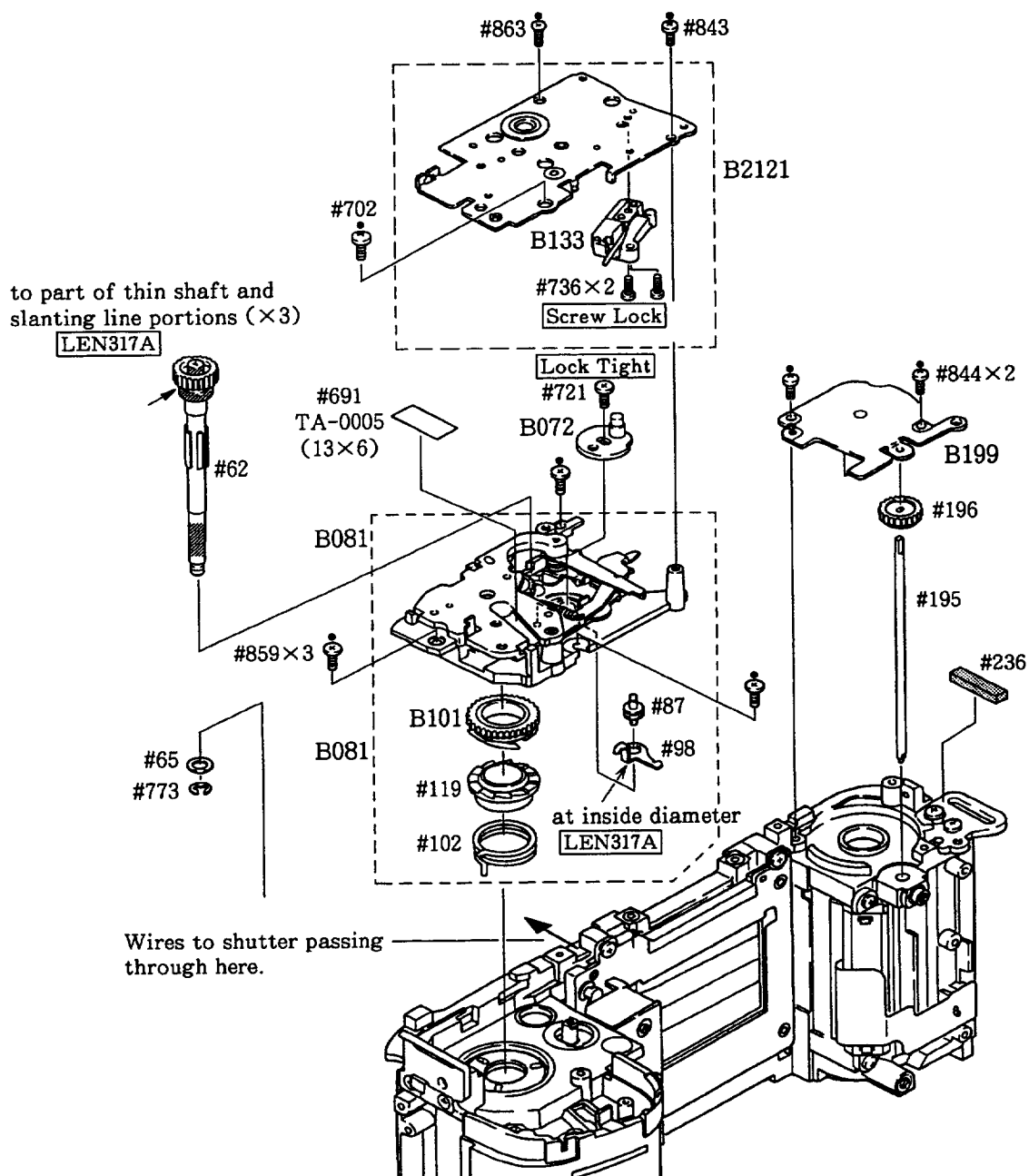
Twist wires ( $\times 8$ ) to be soldered to FPC twice counter-clockwise.

ARRANGEMENT OF WIRES OF FILM REWIND SW BASE PLATE



LOWER FILM ADVANCING MECHANISM UNIT, REFERENCE SHAFT DISK,  
FILM REWIND FORK, UPPER FILM ADVANCING UNIT

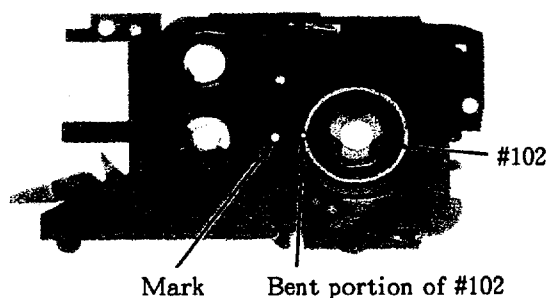
**Note:** More detail for assembling, refer to from next page.



Apply dew protection sponge #236 on the screws as much as it covers half of them.

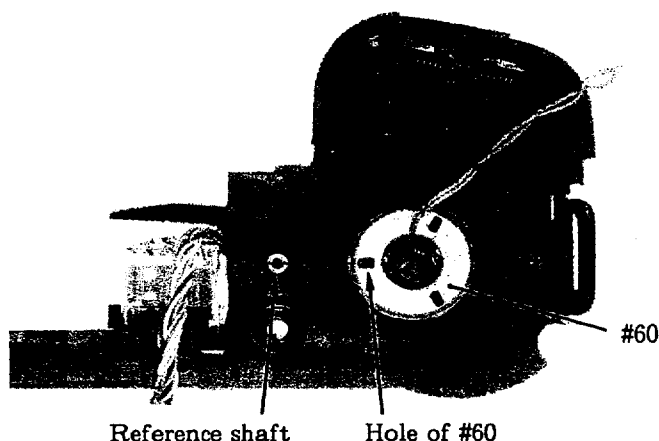
# LOWER FILM ADVANCING MECHANISM UNIT ASSEMBLING POSITION

Rear side of lower film advancing mechanism unit



① Align bent portion of #102 and mark.

② Align hole of #60 to sideways of reference shaft.



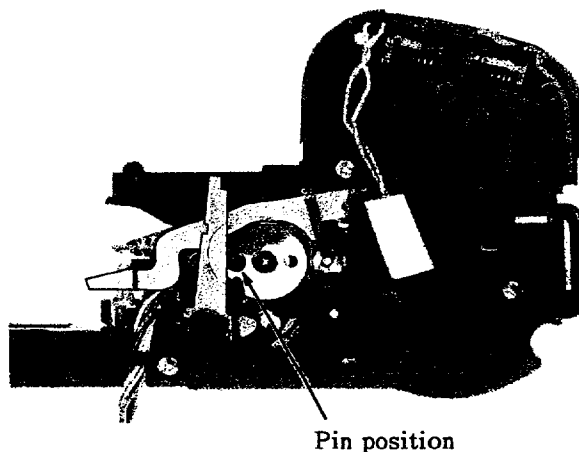
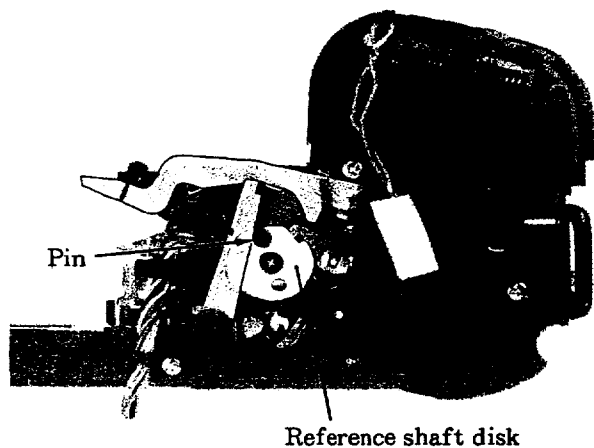
③ Set bent portion of #102 to hole of #60 as shown in the picture.

## ASSEMBLING REFERENCE SHAFT DISK

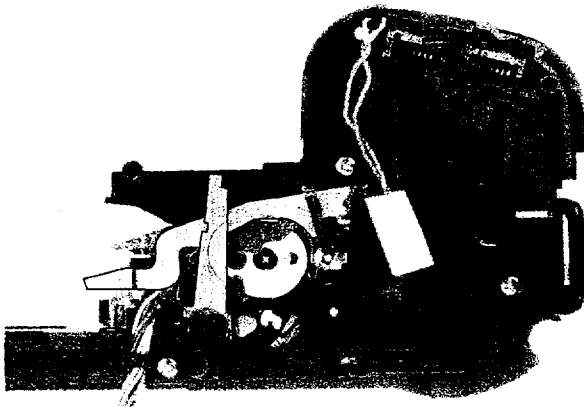
Put shutter charge lever of film advance rotation reducing base plate toward the lens mount side (the most forward position).  
(Use tool J15287: a manual film advance tool.)

Mounting position

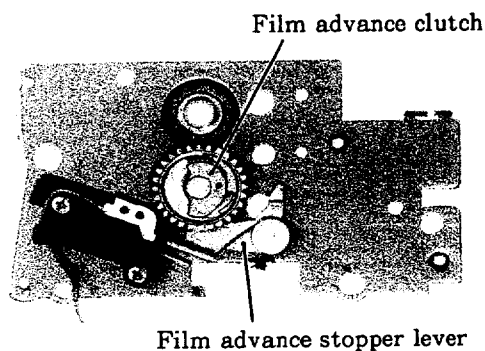
After mounting, the position of upper film advancing unit should be aligned at the position as shown in the picture below.



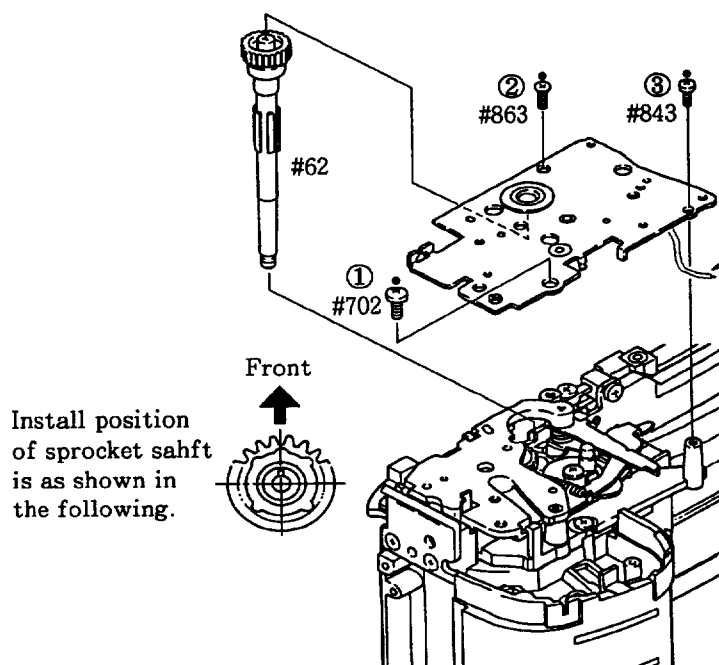
ROUTING UPPER FILM ADVANCING UNIT



- Position of reference shaft disk.



- Upper film advancing unit setting position.
  - ① Position of film advance clutch is shown in the picture.
  - ② Film advance stopper lever is positioned at the hollow position.



Install position of sprocket shaft is as shown in the following.

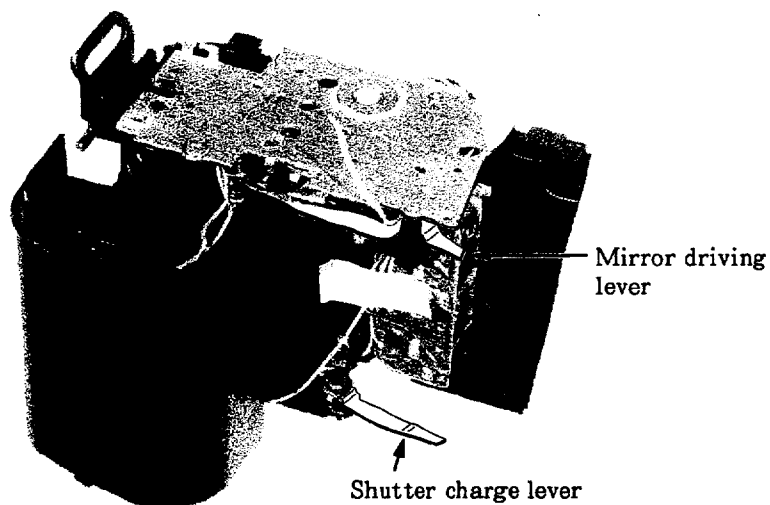
Sprocket tooth position:  $27.7^{+0.8}_{-0.4}$  mm

- Fasten screws in the order from ① to ③.

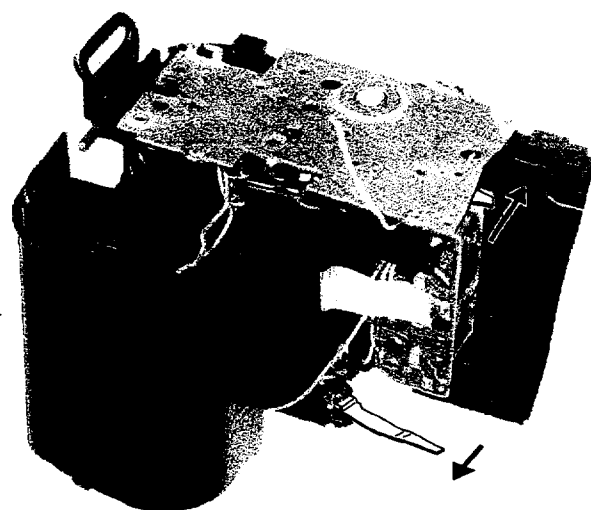
- After having finished mounting, insert a washer #65, and an E-ring #773 at the low end of sprocket shaft.
- Thread position of sprocket is as shown in the following figure.



CHECKING THE MOVEMENT OF MIRROR DRIVING LEVER AND  
SHUTTER CHARGE LEVER



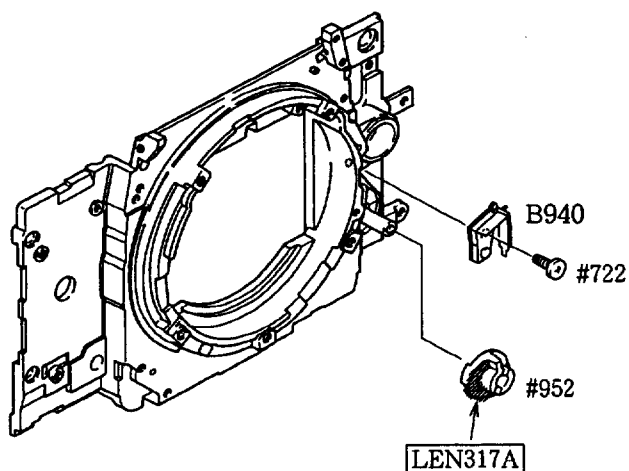
- ① Turn the manual film advance tool J15287 counter-clockwise as far as it stops. Both levers should be at the lens mount side as shown in the picture.



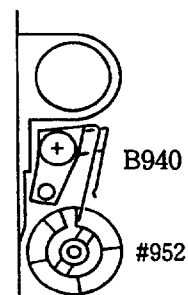
- ② Turn the manual film advance tool J15287 clockwise so that shutter charge lever only comes to the front most position at the lens mount side. And mirror driving lever is as shown in the picture.
- ③ Remove the tool.

## 2. FRONT PLATE

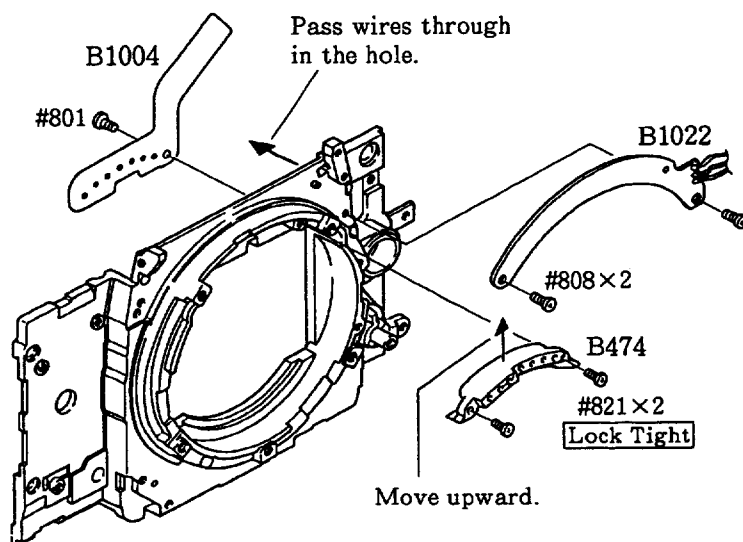
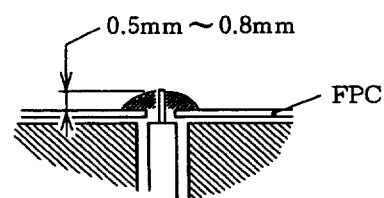
AF S/C SW



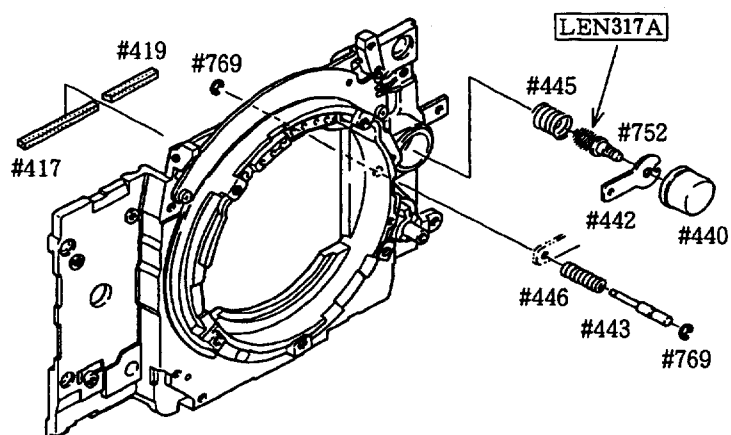
Attaching position of #952



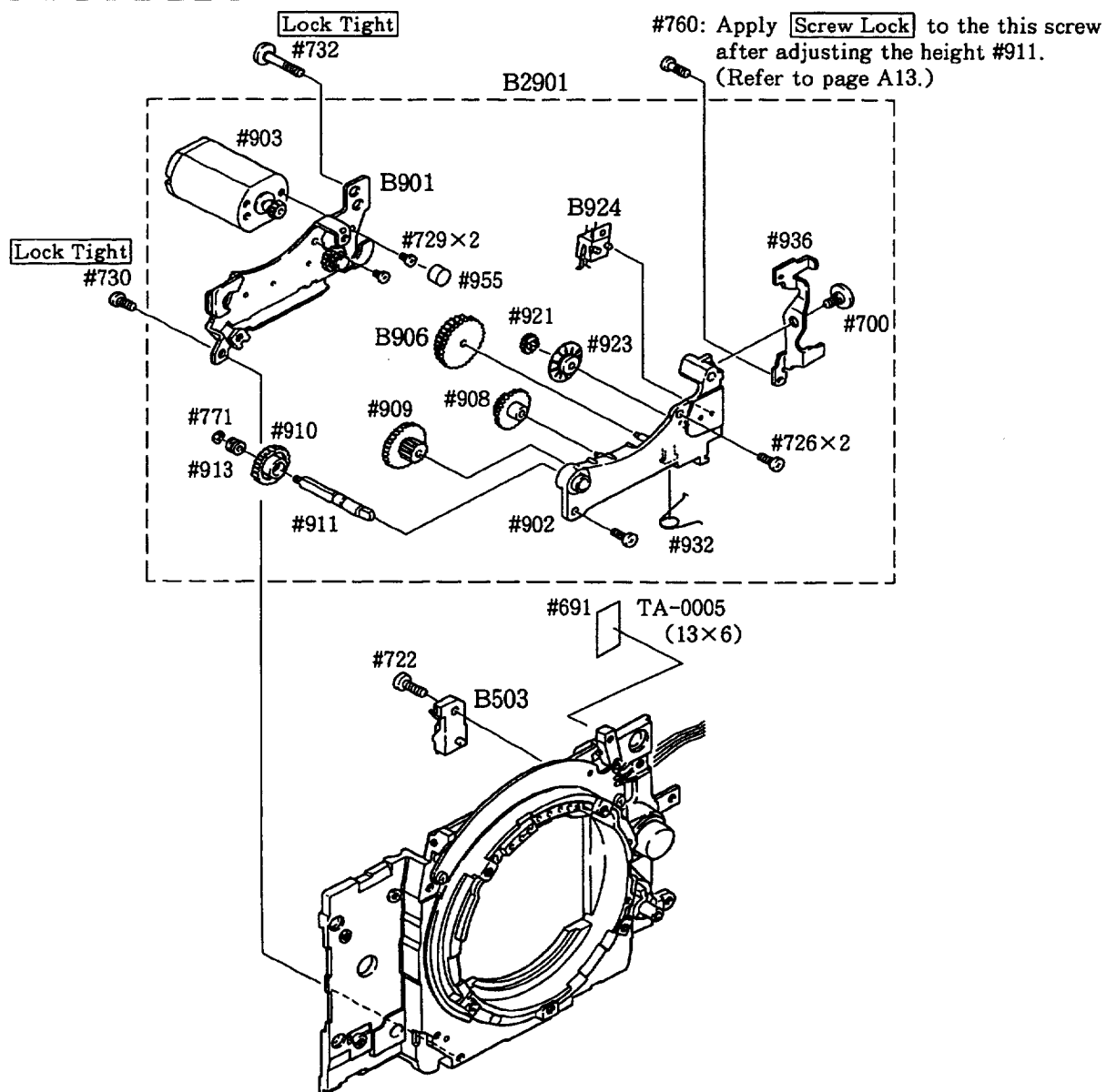
LENS CONTACT, f-fo PCB

Height of solder for soldering  
lens contact FPCPass wires of f-fo PCB  
through the hole of front plate  
to the inside.

LENS RELEASE BUTTON



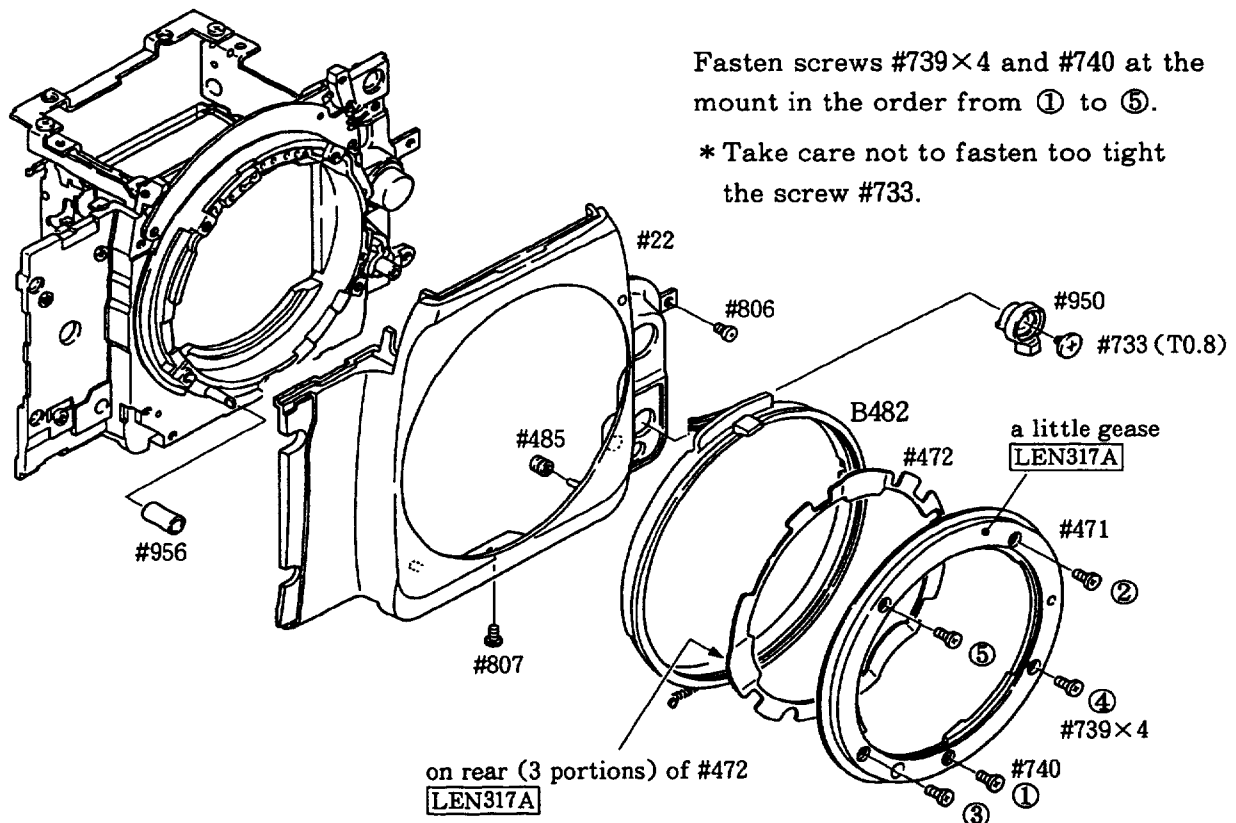
AF DRIVING UNIT



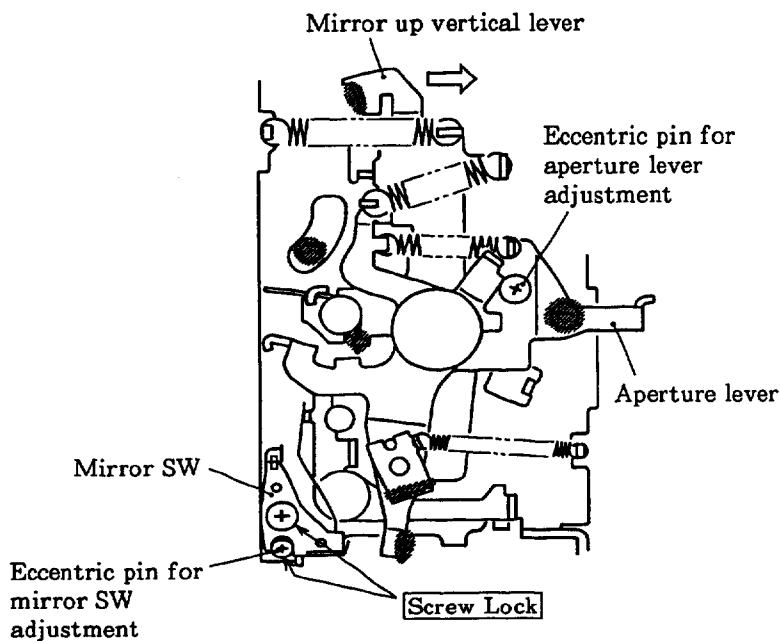




APRON, BAYONET MOUNT



SPRING HOOKING POSITION, OILING PORTION, APERTURE LEVER POSITION AND MIRROR SW



- ■: Apply gease to slanting line portions.
- Adjust the height of aperture lever to  $3.4 \pm 0.1$  mm by turning eccentric pin for aperture lever adjustment.  
Tool: J18004
- Adjust the eccentric pin for mirror SW adjustment so that the mirror SW goes ON at the position where mirror comes between 0 and half of the thickness of mirror holding sponge, while pushing the mirror up vertical lever toward the direction indicated by arrow.

## INSPECTION OF AF-RELATED SW

	C	S	M	Push lens release button.
AF A/M SW	ON	ON	OFF	ON (C or S mode) → OFF
AF S/C SW	ON	OFF	OFF	-----

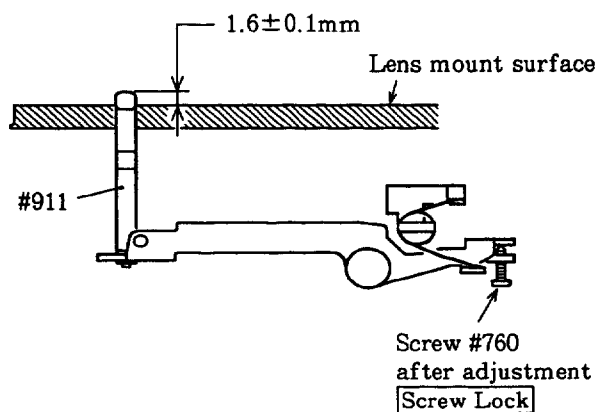
Front diecast is grounded.

## INSPECTION OF AF DRIVING UNIT OPERATION

Apply 6 [ V ] power to the AF motor and check to see if operation is normal or if there is noise in the gears.

Check also to see if operation is normal when the AF motor rotates in normal or reverse direction.

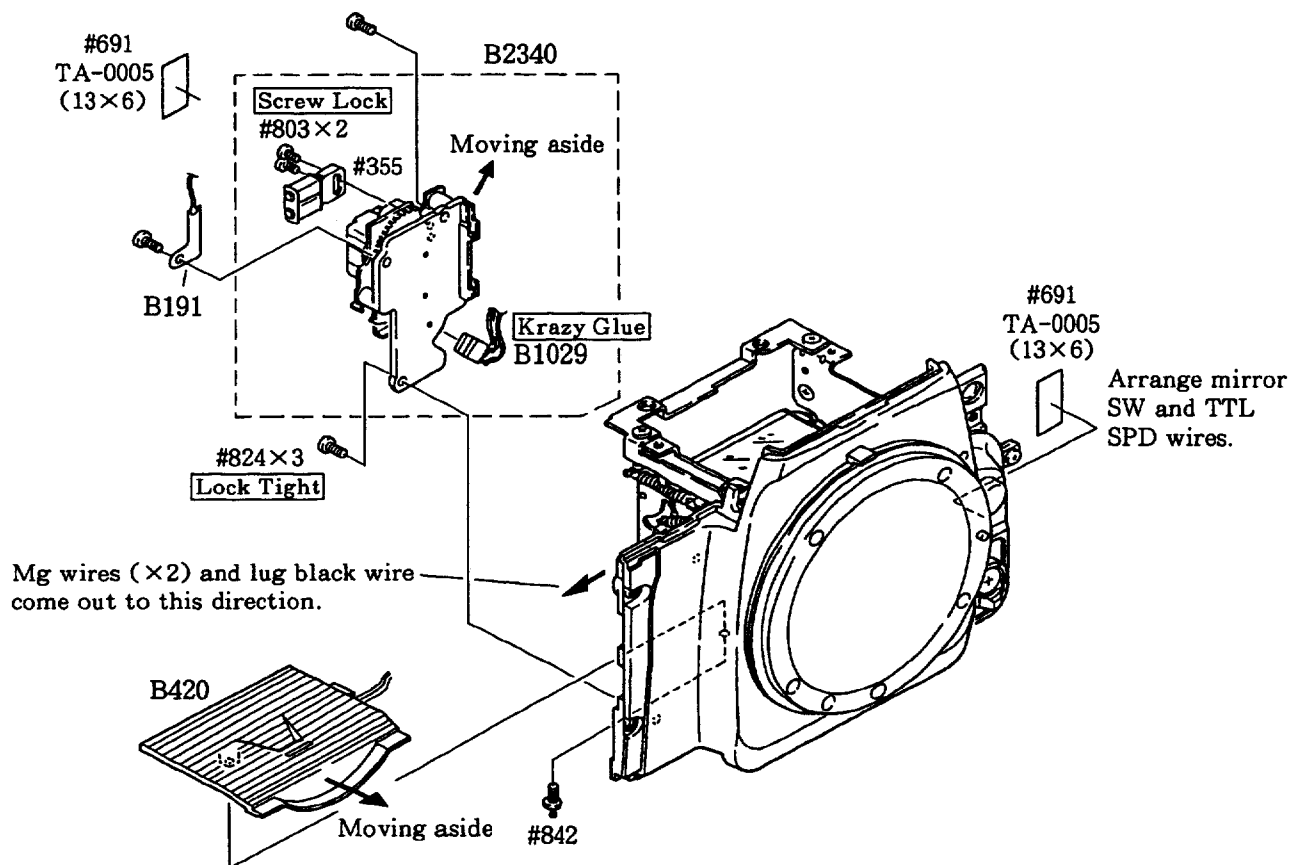
## HEIGHT ADJUSTMENT OF AF COUPLING PIN #911



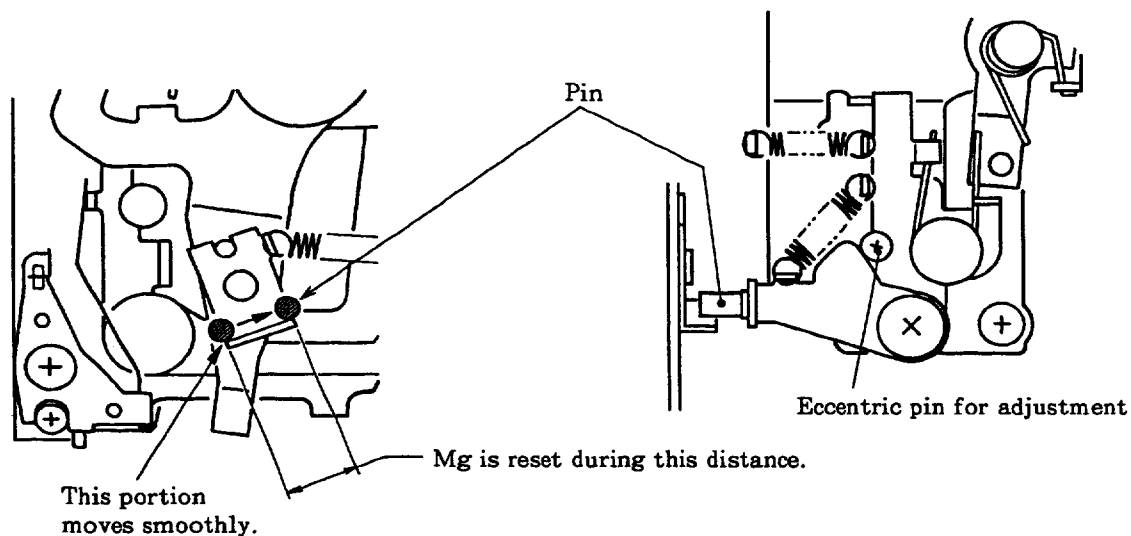
- Adjust the height of AF coupling pin #911 with a screw #760.
- Push the lens release button two or three times, and measure the height with slide calipers.
- The height of AF coupling pin #911 should be under the surface of lens mount surface when the height of lens release pin is set to 0.4mm. If the pin #911 is over the mount surface, adjust it by 1.6mm in the minus direction.

APERTURE CONTROL UNIT, MIRROR BOX BOTTOM PLATE

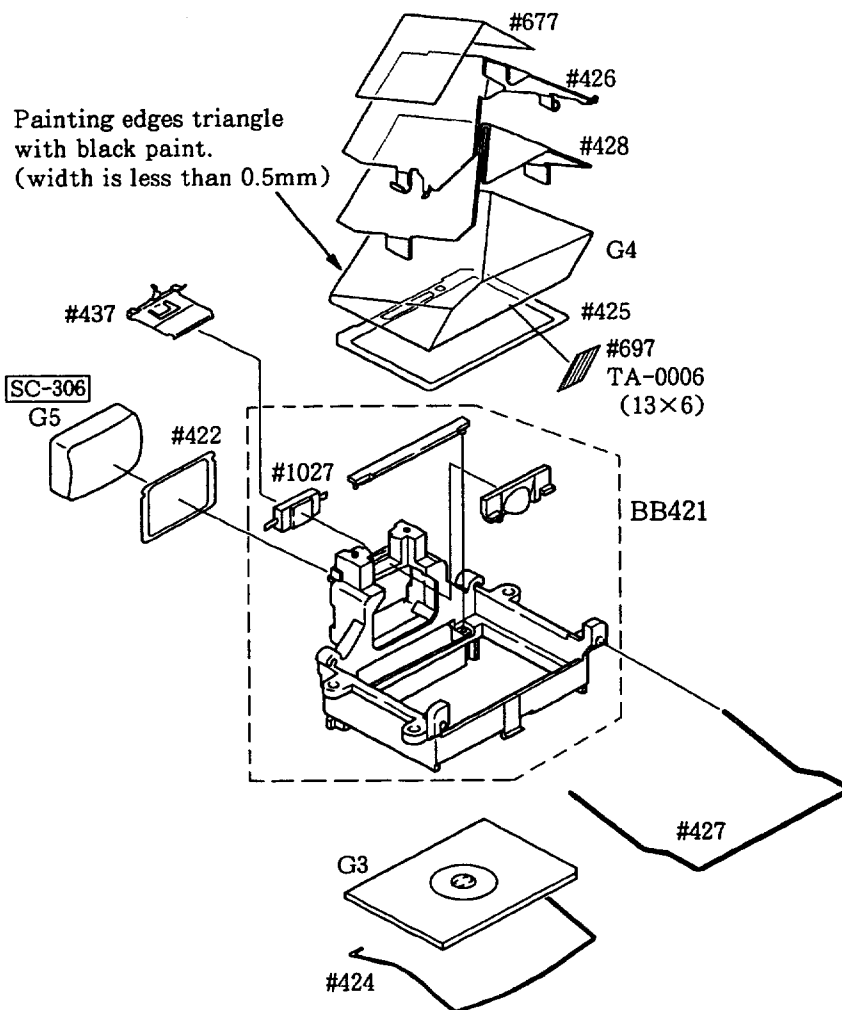
- Apply Sealglow at the foot of TTL SPD.
- Pull out wires ( $\times 2$ ) through the gap between L base plate and AF motor to the film rewind side.



ADJUSTMENT OF APERTURE CONTROL Mg RESET POSITION



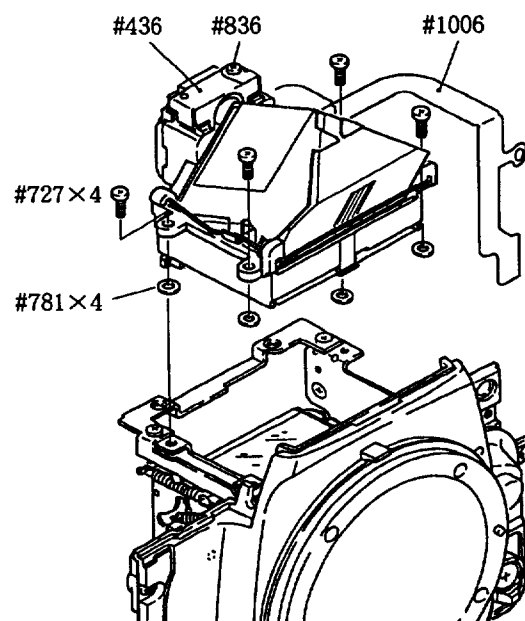
## PENTA PRISM, SCREEN



- Refer to page A34 to see how to mount AE SPD #1027.

- As for G3, the fresnel surface down.

## PRISM BOX

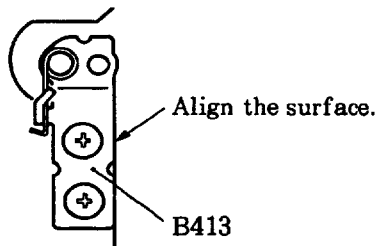


### ADJUSTMENT OF ANGLE (45°) OF MAIN MIRROR

- ① Remove focusing screen.
- ② Set the tool J18197 in place of the prism or the focusing screen.
- ③ Attach optical parallel J18037 on the lens mount.
- ④ Measure the angle by your eye-estimation using an Auto Collimator.

#### Standard value

- Horizontal error: Within  $\pm 20'$
  - Vertical error: Within  $\pm 5'$
  - Distortion: Within  $\pm 8'$
- ⑤ If horizontal error is found, adjust the error by moving B413 up and down.



- ⑥ If vertical error is found, adjust it by rotating the eccentric pin in the mirror box with a hex key.
- ⑦ Check the accuracy by moving the mirror several times with your finger.  
If it is out of the allowable range, repeat steps ⑤ to ⑦.

**Reference:** Viewfield of collimator J19002 is approx. 40'.

### ADJUSTMENT OF ANGLE (45°) OF SUB MIRROR

- ① Return the screen G3 back to the original position.
- ② Set the tool J18196 for determining the sub-mirror angle of 45° on the lens mount correctly.
- ③ Measure the angle by your eye-estimation using an Auto Collimator.

#### Standard vertical error: Within $\pm 10'$

- ④ If there is vertical error, adjust it by rotating the eccentric pin for sub-mirror in the mirror box.

**Note:** Horizontal error cannot be adjusted.

- ⑤ Check the accuracy by moving the mirror with your finger several times.  
If it is out of the range, repeat the procedures ③ to ⑤.

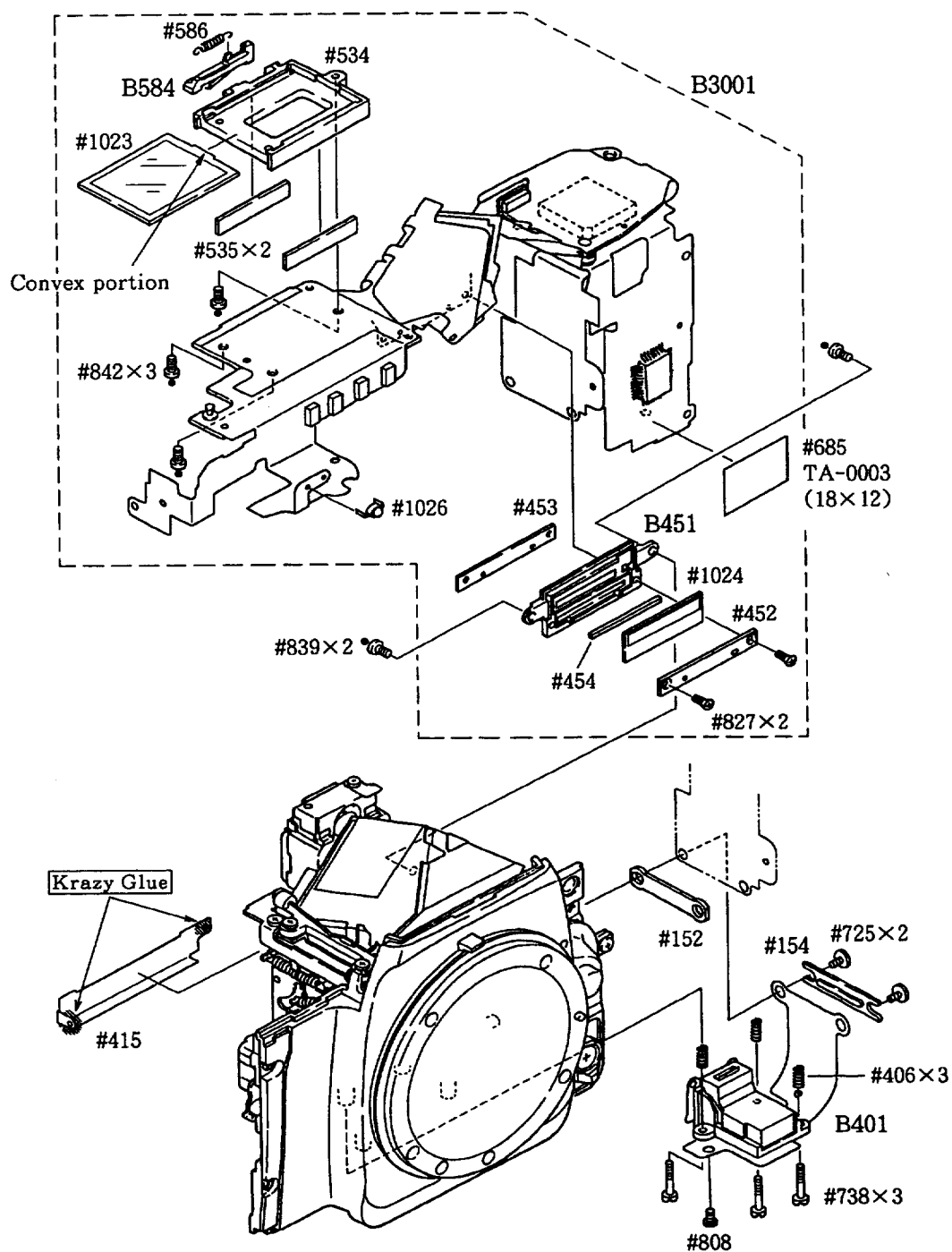
### ADJUSTMENT OF INFINITY ( $\infty$ )

Use a reference lens J18010 and adjust the washers #781×4 so that the infinity ( $\infty$ ) comes within the range of  $\pm 0.05$ . After the completion of the body assembly, the accuracy of mirror angle (45°) is in error when the infinity is adjusted. But it is possible to adjust the accuracy if the infinity is within the range of  $\pm 0.05$ .

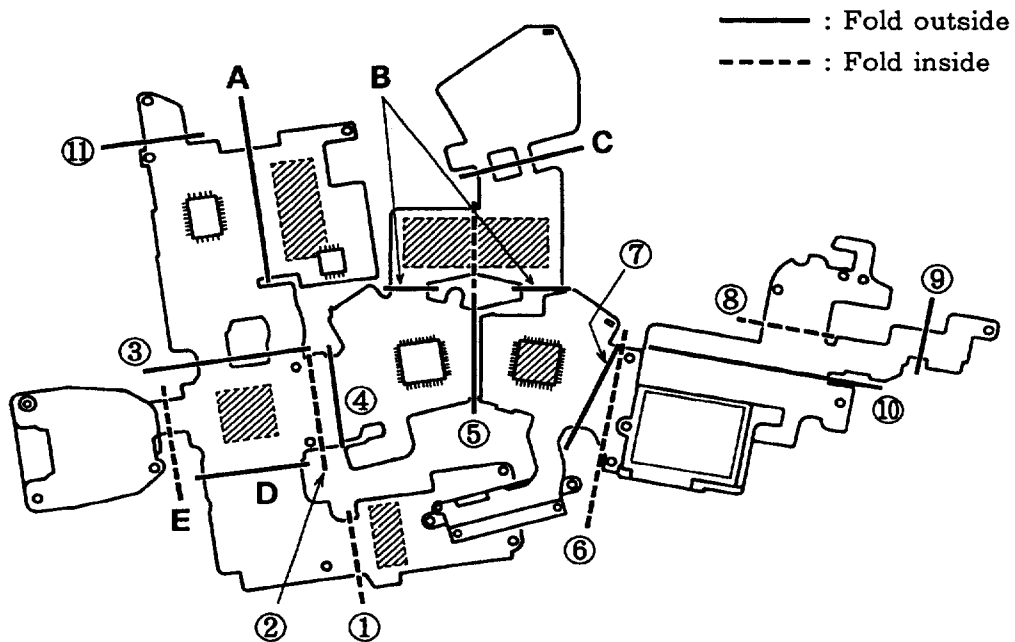
## AF FPC, MAIN FPC, LIGHT BAFFLE PLATE


**Note:** More detail for assembling, refer to from next page.

- Remove IL supporting plate #320 to attach main FPC.
- Apply Sealgrow at the foot of AE SPD.
- Fasten screws #738×3 approx. 9 turns.



BENDING OF MAIN FPC



-  : Double coated adhesive tape
- Fold the portions indicated by numbers ① to ⑪ with a rod  $\phi 1.5$  to ensure they stay bend.
- Fold the portions indicated by letters A to E with your fingers.
- Align screw holes when bonding the portions indicated by letters A and B.
- Do not fold the above mentioned portions clearly as shown below.

*Good*

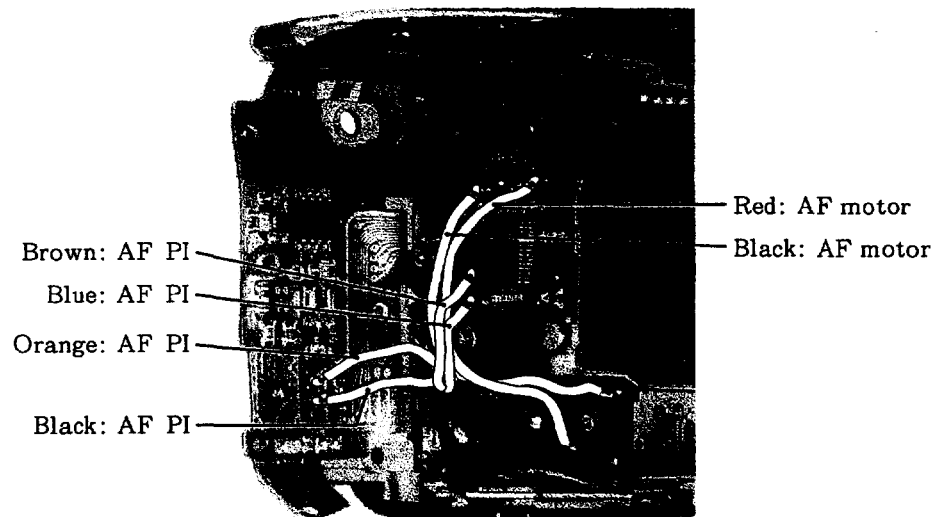


*No good*

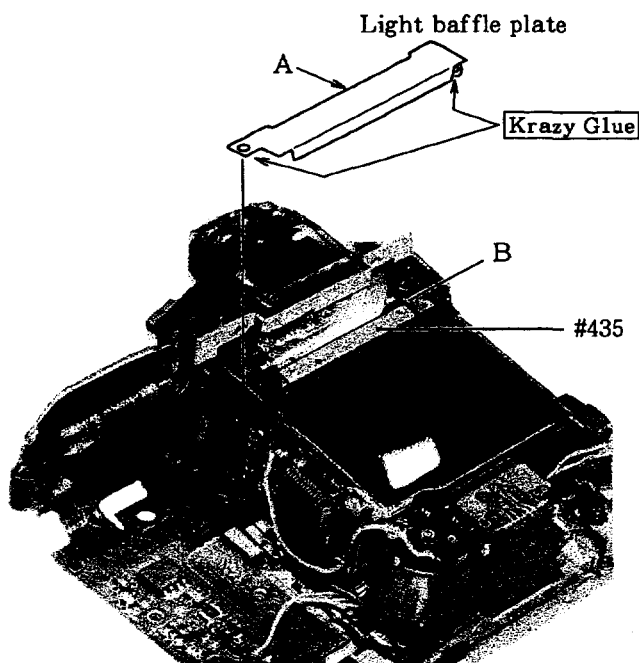




SOLDERING OF WIRES TO AF FPC AND MAIN FPC



LIFHT BAFFLE PLATE



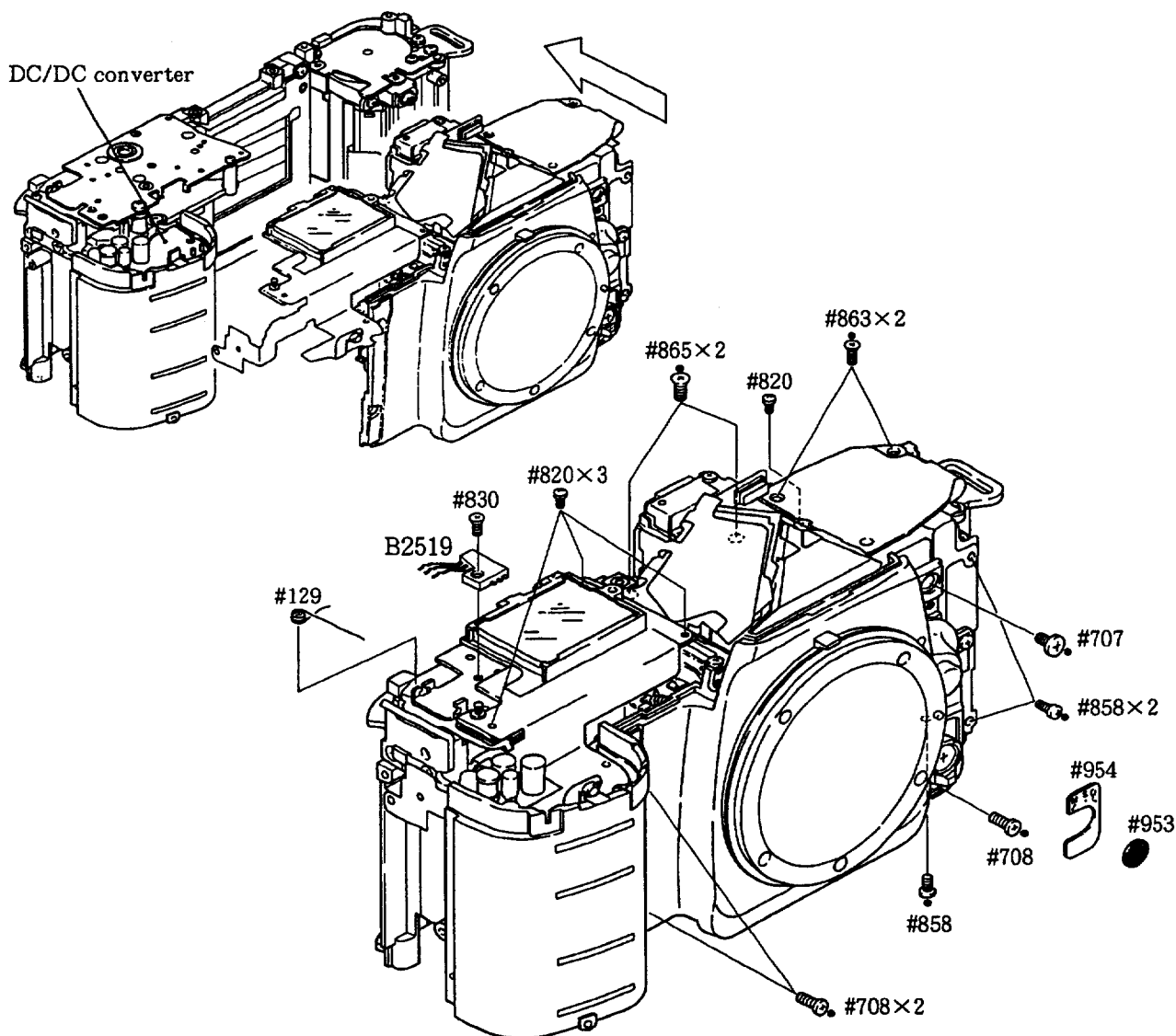
Paste light baffle plate on the top end portion to which mirror holder does not attach when the mirror moves up and down.

Target of pasting position "A" is a little down from "B" that of #435. (Approx. 0.2mm down)

### 3. ASSEMBLING OF FRONT PLATE AND REAR BODY

#### ALIGNING FRONT PLATE AND REAR BODY

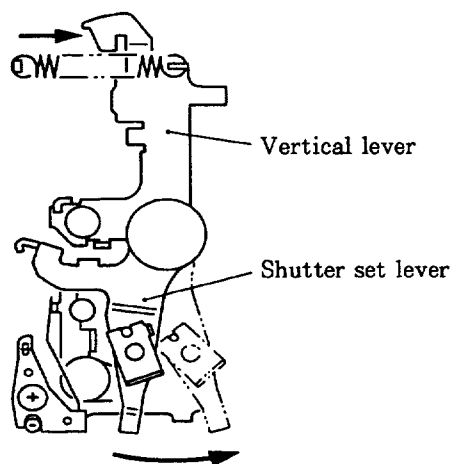
**Note:** More detail for assembling, refer to from next page.



#### Arrangement of wires

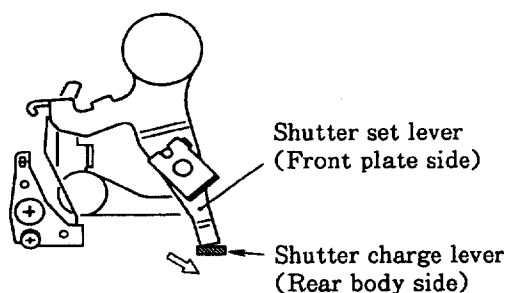
Arrange wires attached to the front plate and the rear body with care not to pinch them.

• Aperture Mg	×2	• Shutter wires	×5	
• Aperture PI	×4	• Film advance completion SW	×1	
• Mirror SW	×2	• Film detection, film advance, film rewind SW (one each)		
• TTL SPD	×2	• GND black wires	×2	
• f - fo	×3	• Film advance motor	×2	
• AF S/C SW	×1	• AF motor	×2	} Already soldered.
• AF A/M SW	×1	• AF PI	×4	

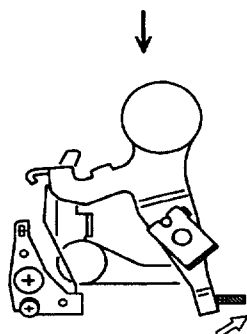


- Push vertical lever with tweezers to set the shutter set lever to the lens mount side.
- Shutter charge lever on the body side should be on the lens mount side.

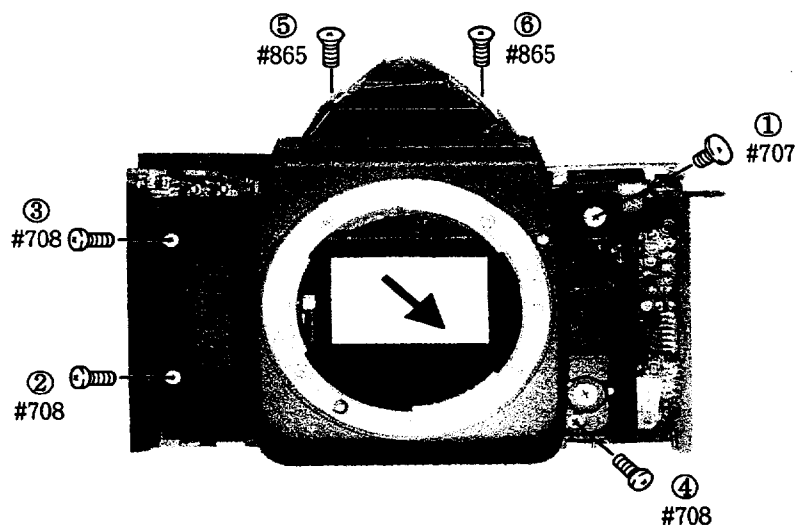
Mounting position



- Mount the shutter set lever on the shutter charge lever of the body side.



- Push the shutter lever lightly and place the shutter set lever over it.



Push the front plate toward lower right and fasten screws in the order from ① to ⑥.

# CONFIRMATION OF ALIGNING OF FRONT PLATE AND REAR BODY

Position a manual film advance tool J15287.

- The mirror must move up when the tool is turned counter-clockwise.
- The mirror and the shutter curtain must move down when the tool is turned clockwise.

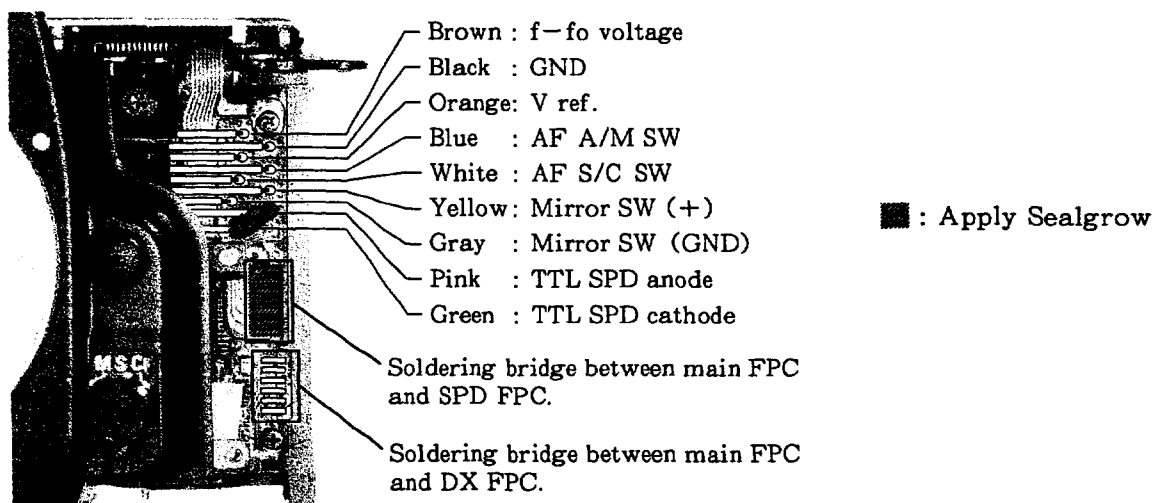
## SOLDERING AT EACH PART

Solder following 6 portions:

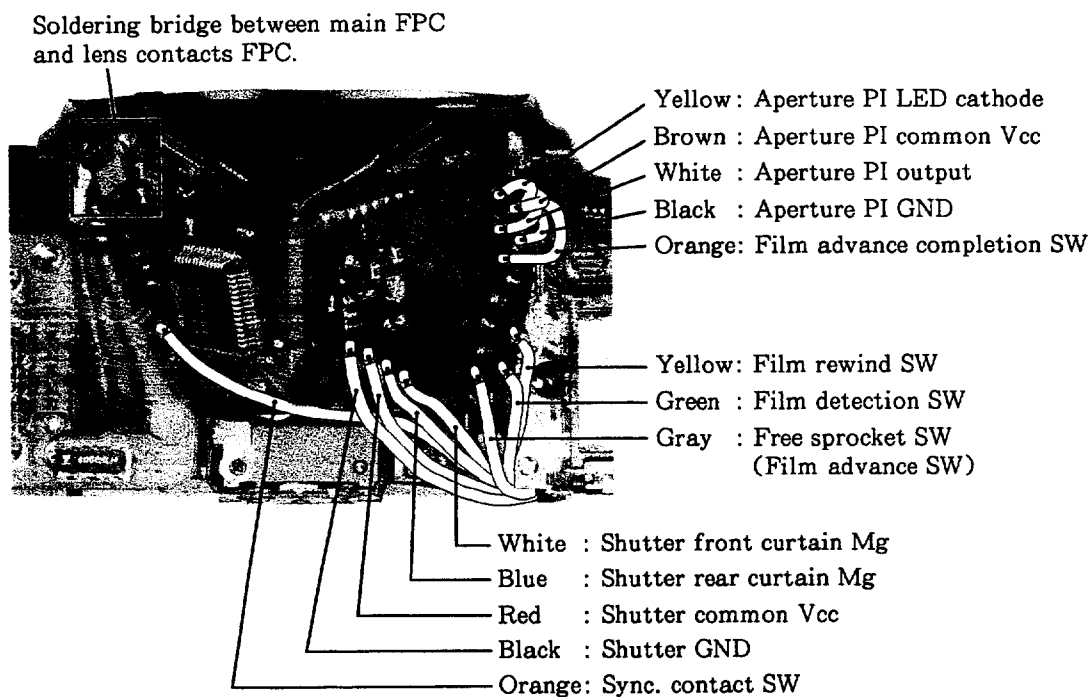
1. Between main FPC and DX FPC
2. Between main FPC and SPD SPD
3. Between main FPC and lens contact FPC
4. Between main FPC and command dial brush
5. Between main FPC and DC/DC converter
6. Between main FPC, DC/DC converter and battery contacts

Soldering wires (×27) at four portions

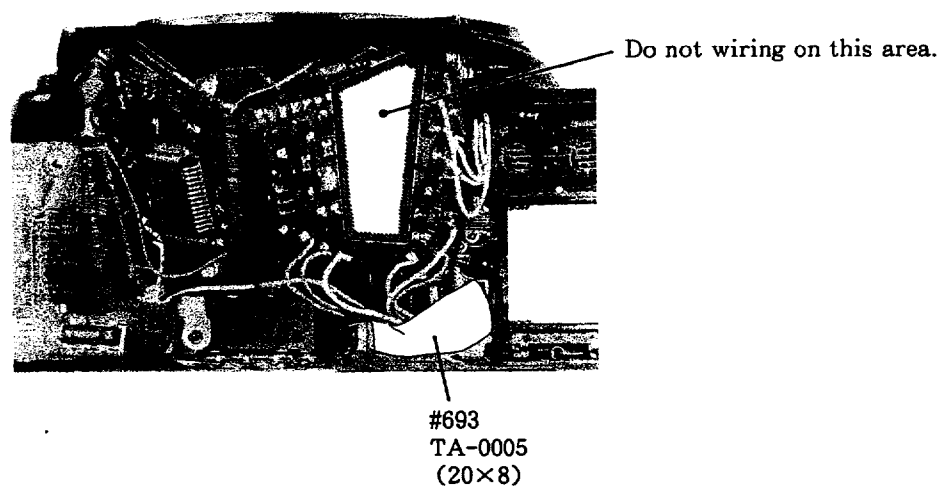
### 1. Front



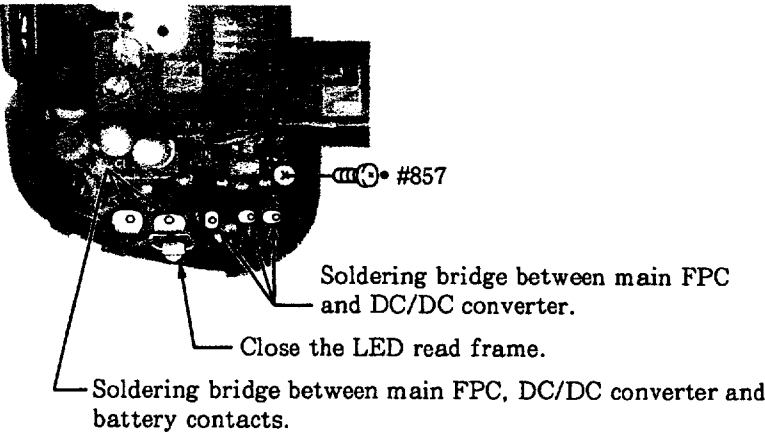
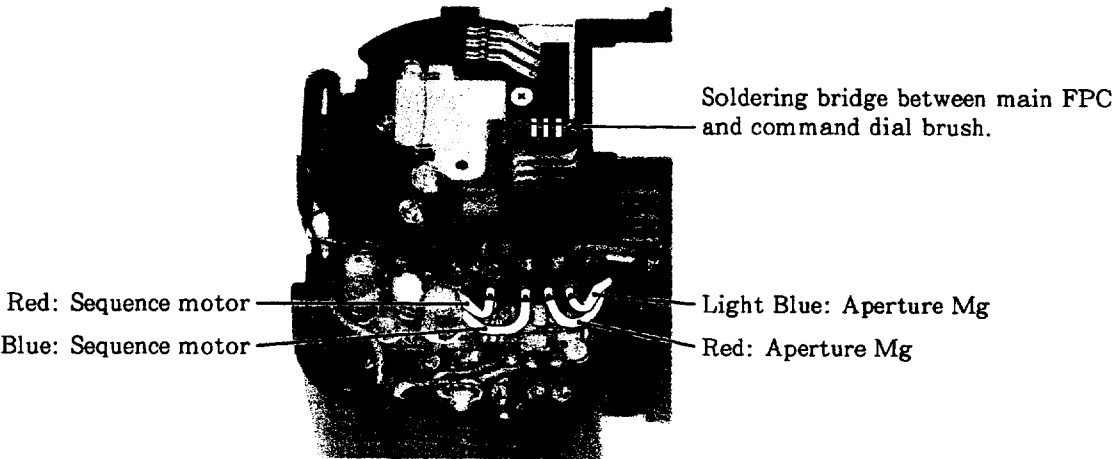
## 2. Top of penta prism



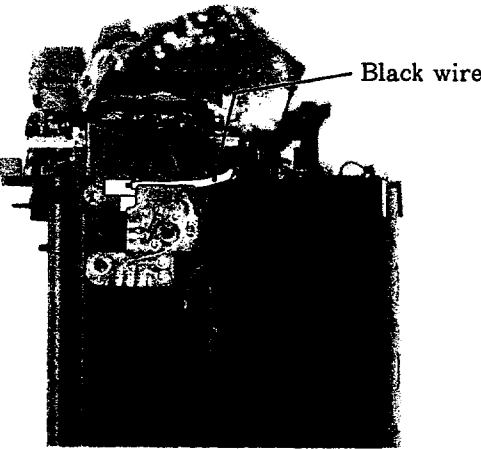
Paste adhesive tape on the portion as shown in the picture below after arranging wires.



3. Top of hand grip

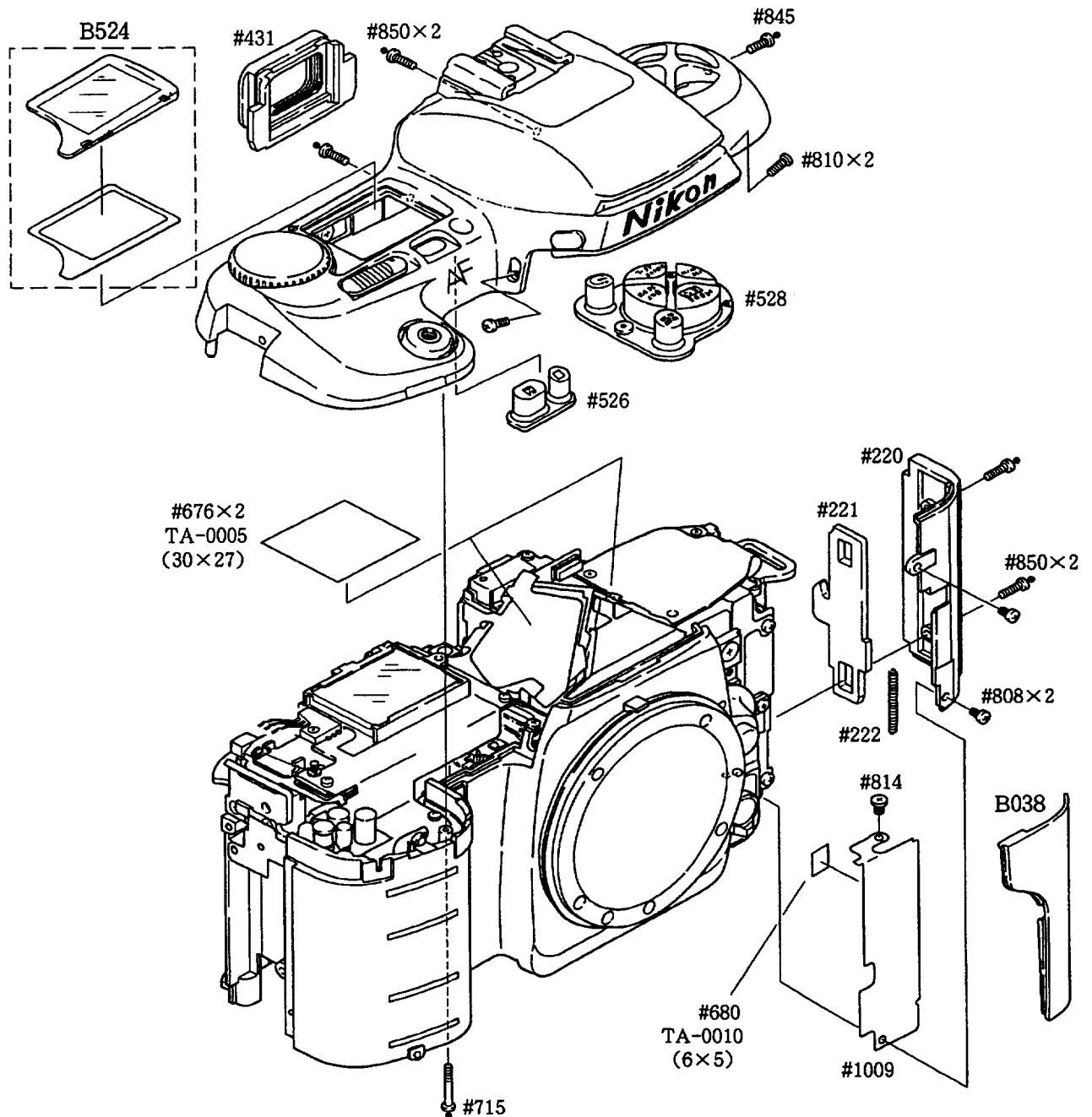


4. Black wire of rug plate at hand grip side



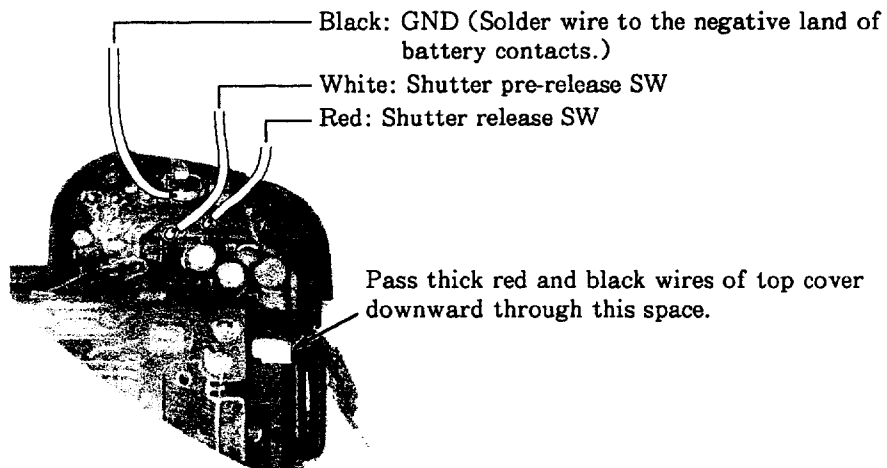
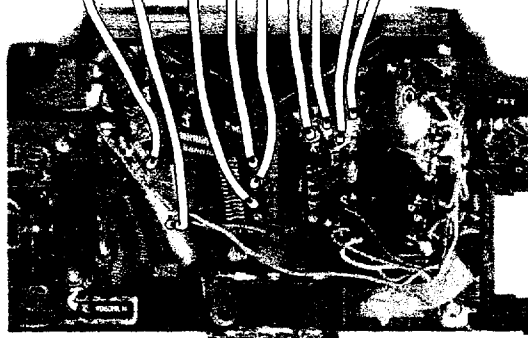
## CAMERA BACK OPEN/CLOSE COVER PLATE TOP COVER

**Note:** More detail for assembling, refer to from next page.



SOLDERING PORTION OF TOP COVER WIRES

Green: TTL  
Yellow: READY  
Brown: STOP  
White: Pop-up SW (+)  
Gray: X  
Pink: SB (SCR)  
Blue: SB (Trigger)  
Black: Pop-up SW (GND)  
Black: GND

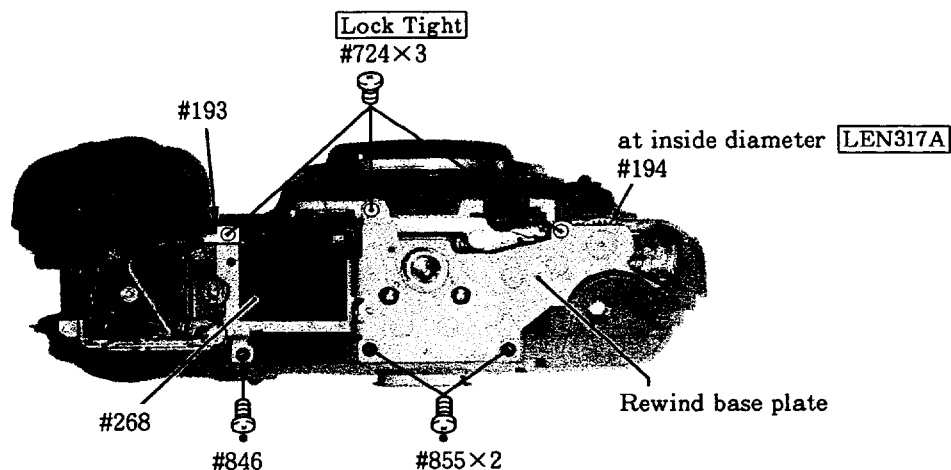


**Notes on assembling top cover:**

- ① Clean contacts and patterns.
- ② Clean dust and particle from external LCD.
- ③ Move the AE lock lever to the right.
- ④ Arrange wires (to prevent wires from pinching).
- ⑤ Set the eyepiece frame #431 first, then mount the top cover.
- ⑥ Paste adhesive tapes #676×2 to cover the whole soldered portions (to avoid short-circuit between soldered portions and top cover).



## REWIND BASE PLATE



#268 is a strong double coated adhesive tape for securing the main condenser #1033.

## INSPECTION AND ADJUSTMENT OF BODY BACK

Measure from the lens mount surface to the external film guide rail.

**Standard value:**  $46.67 \pm 0.02\text{mm}$

**Parallelism:** Within 0.02mm

If the value is out of the standard range, adjust the distance by inserting a washer under the lens mount or use attaching screws #855×2 and #846 of the film rewind base plate. (Unfasten screws and move the front plate back and forth.)

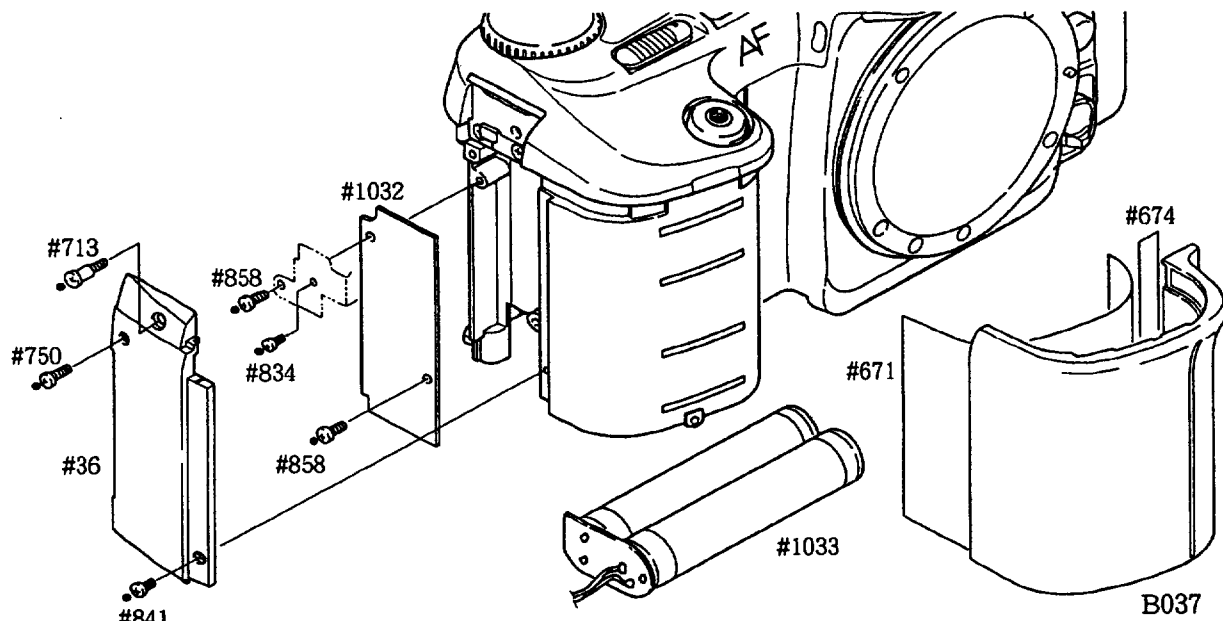
INSPECTION AND ADJUSTMENT OF INFINITY ( $\infty$ )

Use reference lens J18010 and collimator J19001.

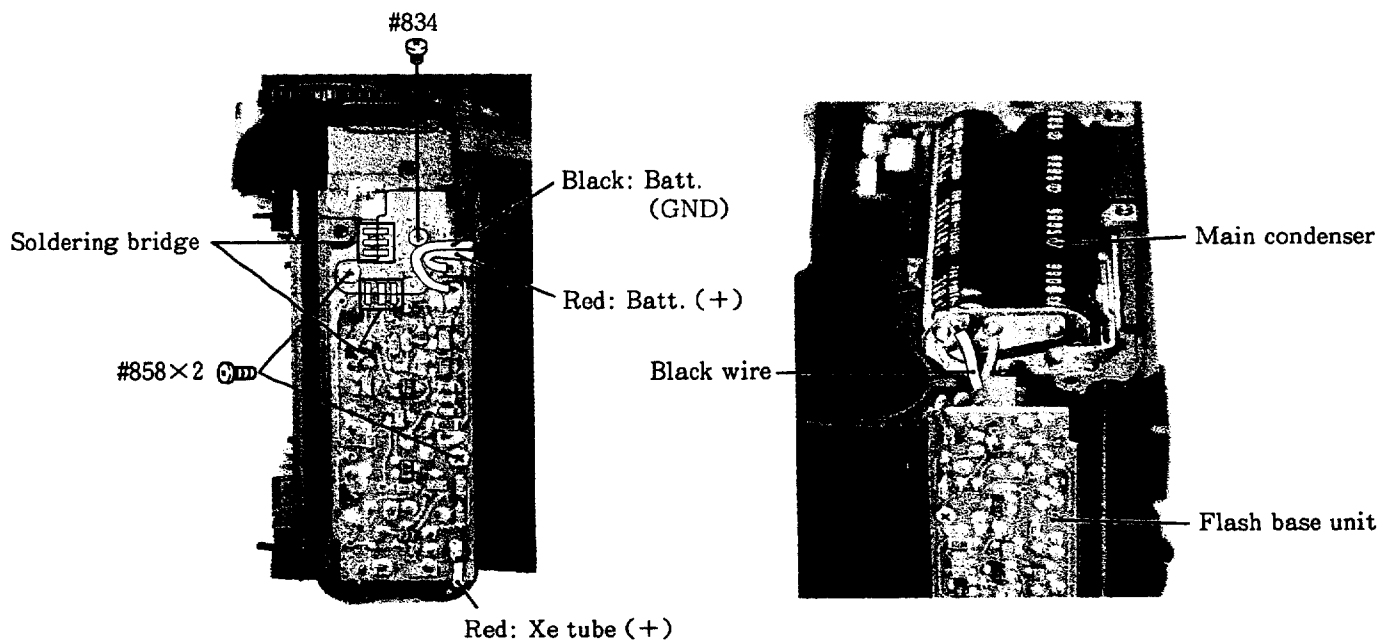
**Standard value:**  $\pm 0.03$  calibration

If the value is out of the standard range, adjust the value by rotating the main mirror stopper in the mirror box using a hex key. When making inspection, operate the main mirror a few times with your finger.

FLASH BASE UNIT, HAND GRIP



SOLDERING PORTION OF FLASH BASE UNIT



INSPECTION AND ADJUSTMENT OF AE ACCURACY
------------------------------------------

- Operation should be performed according to the instructions as shown on the computer.
- Use a floppy disk (J18217A or J18217B) for inspection and adjustment.

**Inspection and adjustment items**

1. Adjustment of  $f - f_0$
  2. Inspection and adjustment of AE-  $\gamma$ , AE level (A mode)
  3. Inspection and adjustment of aperture control (S mode)
  4. Inspection and adjustment of M 1/2000 sec. (M mode)
  5. Inspection and adjustment of TTL-  $\gamma$ , TTL level (TTL mode)
- \* Perform the above five items in order when replacing main FPC.

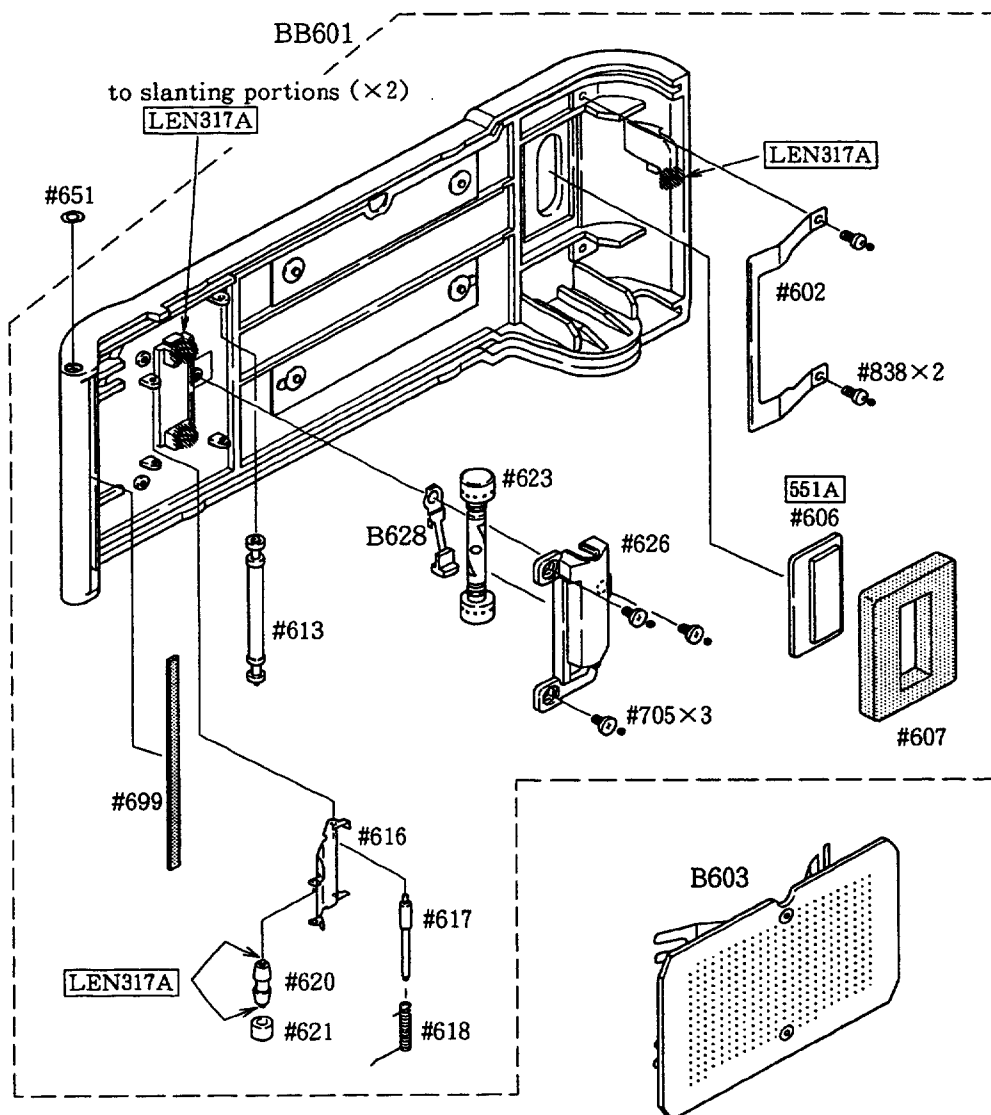
**Others**

1. Return the camera after fully deleting the sequence error records.
2. Run the "Check sum" program when data in the EEPROM has been changed separately.
3. Set options to standard settings unless otherwise requested by customers.

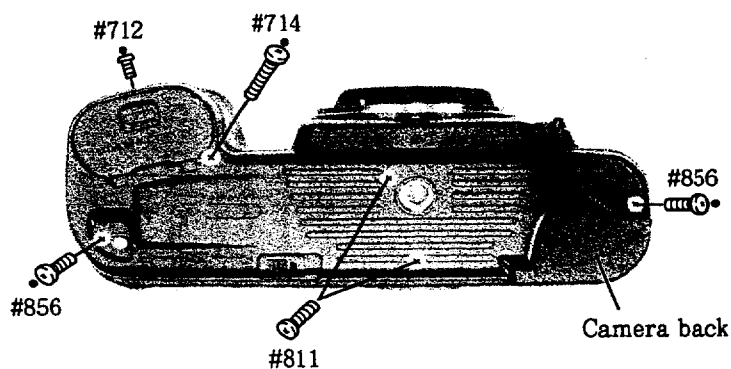
INSPECTION AND ADJUSTMENT OF AF ACCURACY
------------------------------------------

- Operation should be performed according to the instructions as shown on the computer.
1. When AF FPC is replaced or disassembled.  
CCD output  $\rightarrow$  YAW  $\rightarrow$  Pitch  $\rightarrow$   $\Delta Z \rightarrow$  Hard AGC
  2. CCD output (adjusted data)
  3. Checking of AF accuracy

CAMERA BACK



BOTTOM COVER

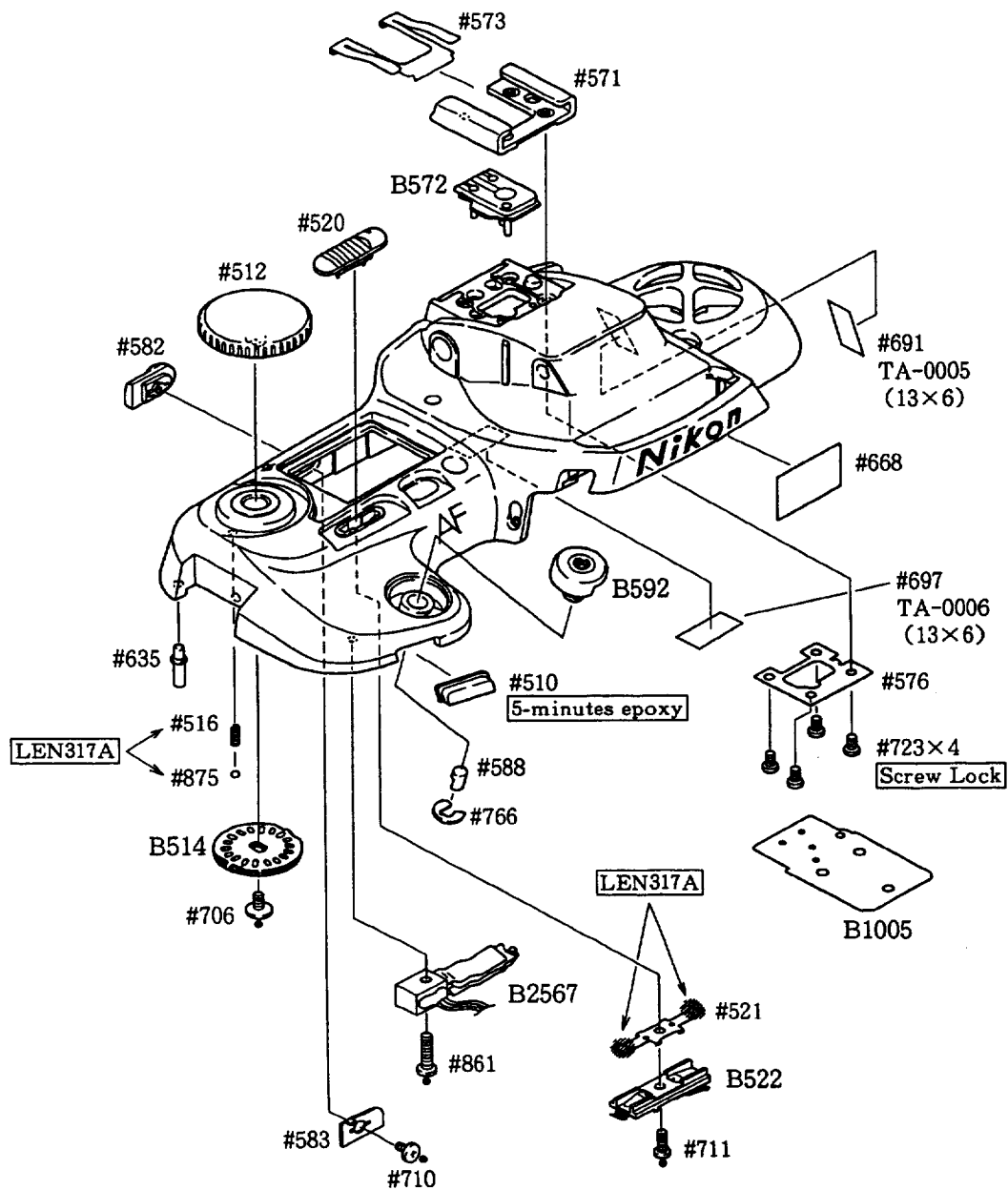


# INSPECTION AND CLEANING OF EACH PORTION

Refer to the standard value of inspection.

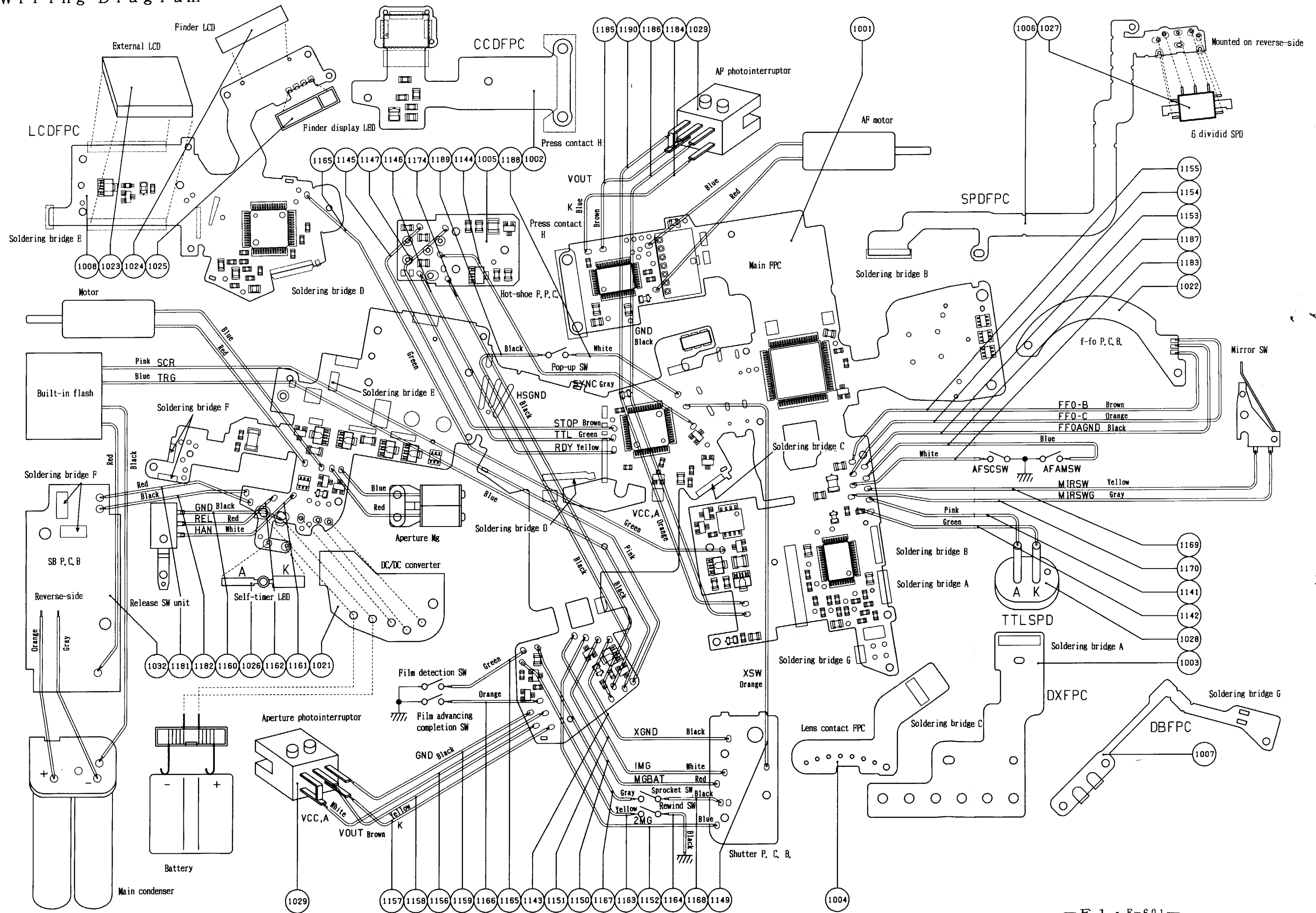
## 4. OTHER ASSEMBLING PARTS

### TOP COVER

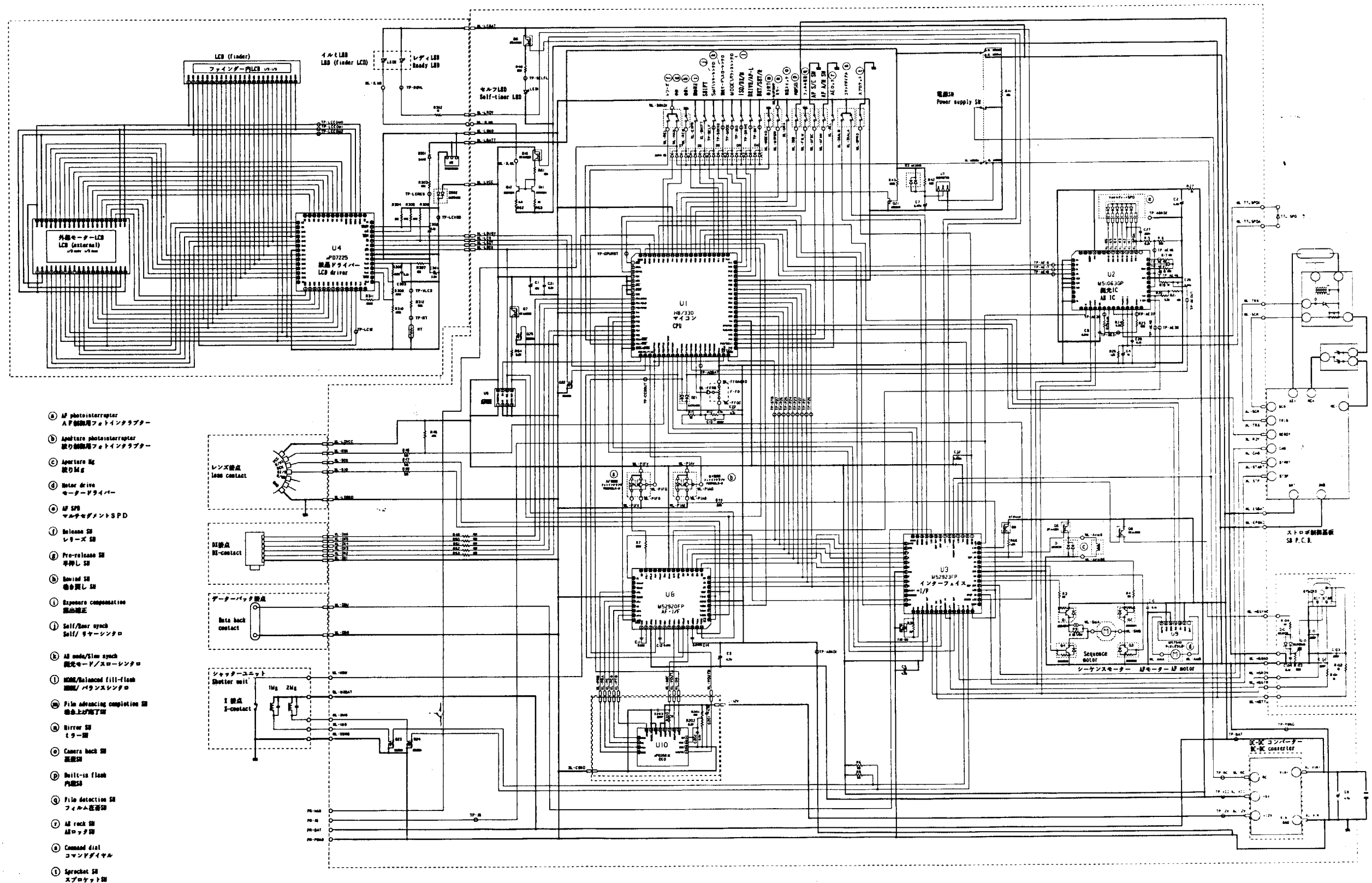


E l e c t r i c C i r c u i t

Wiring Diagram -----	E 1
Circuit Diagram -----	E 2
Main FPC -----	E 3
AF FPC -----	E 4
Display FPC -----	E 5
Hot shoe FPC -----	E 6

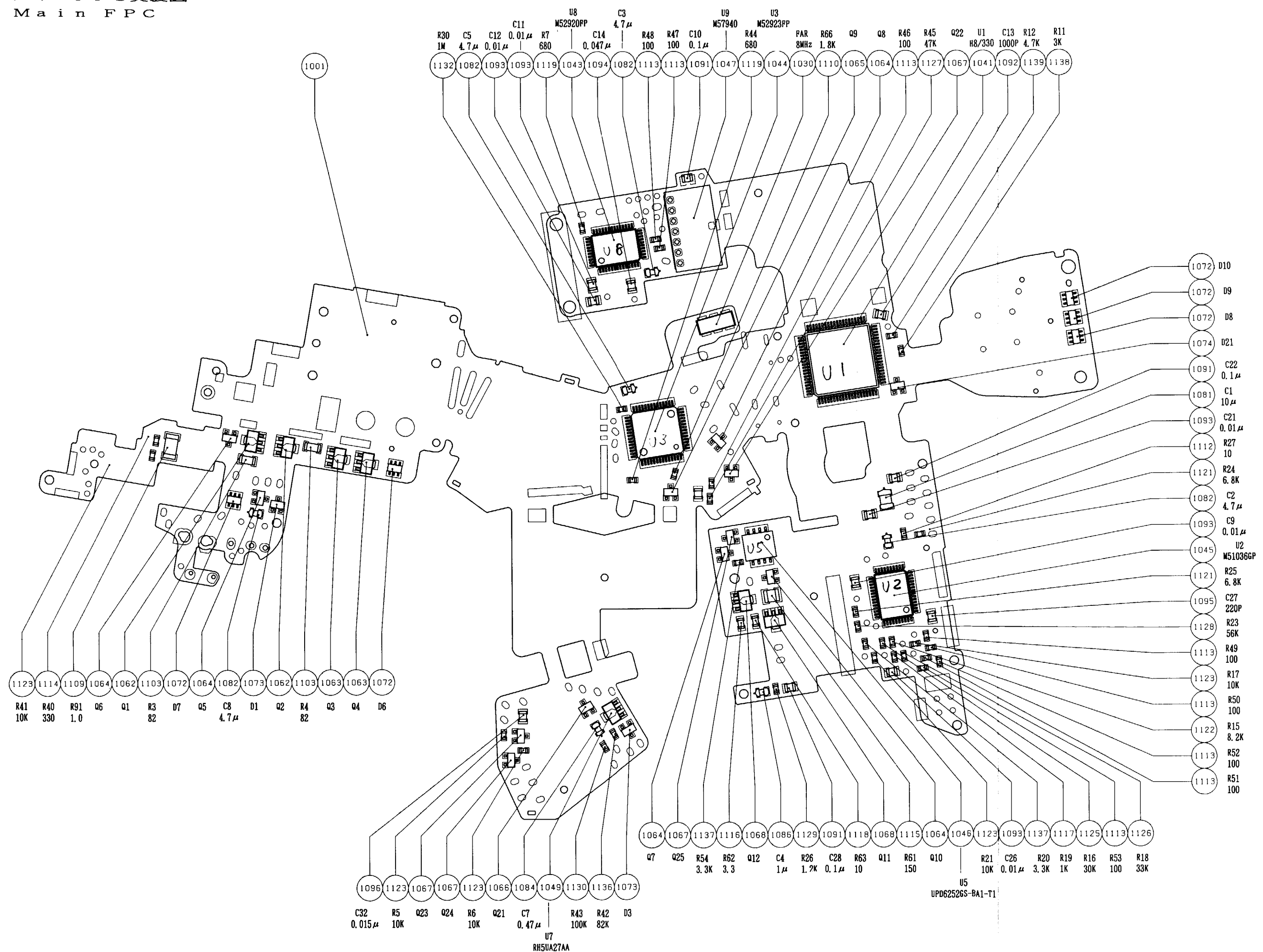


回路図 Circuit Diagram

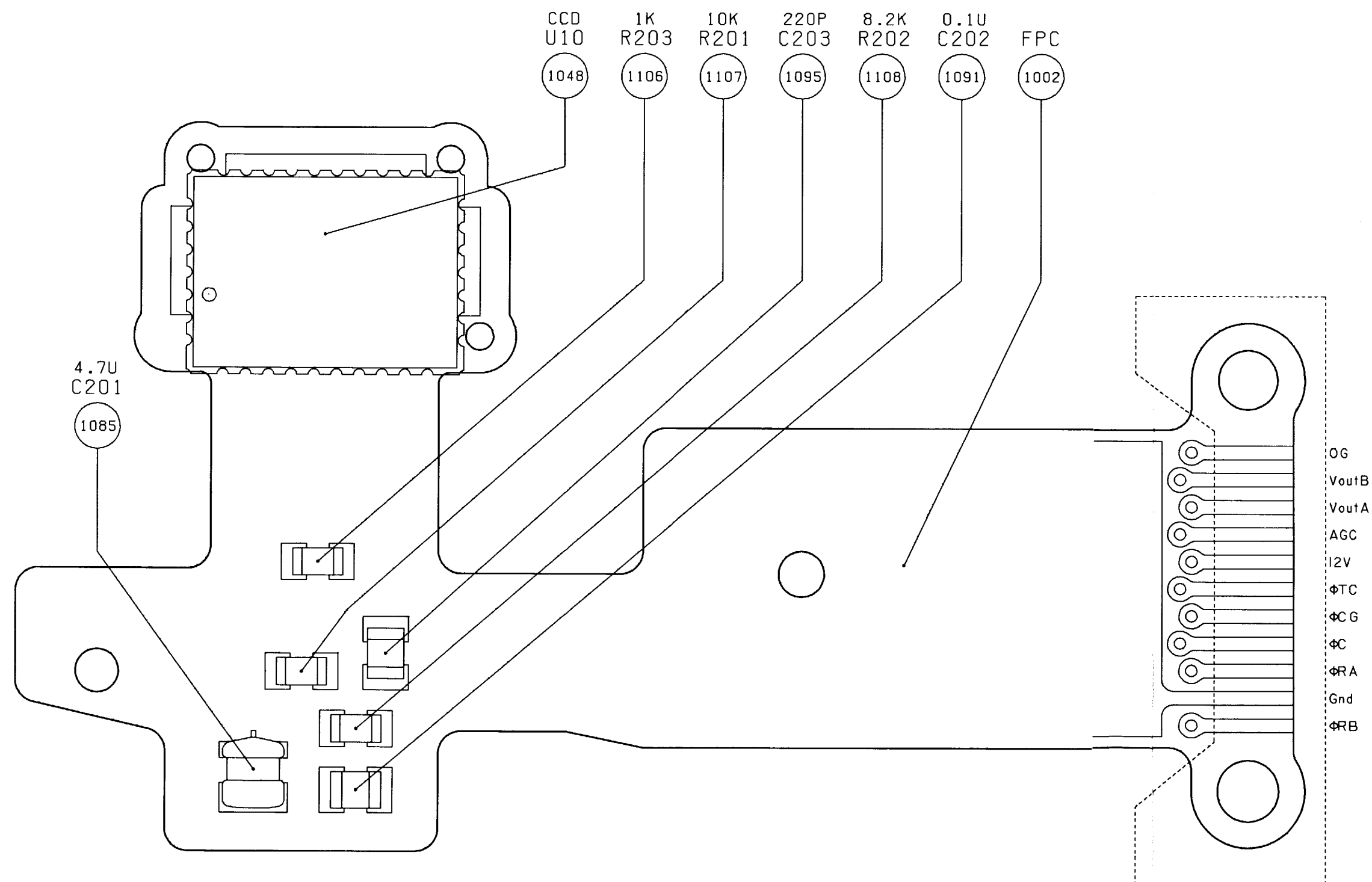




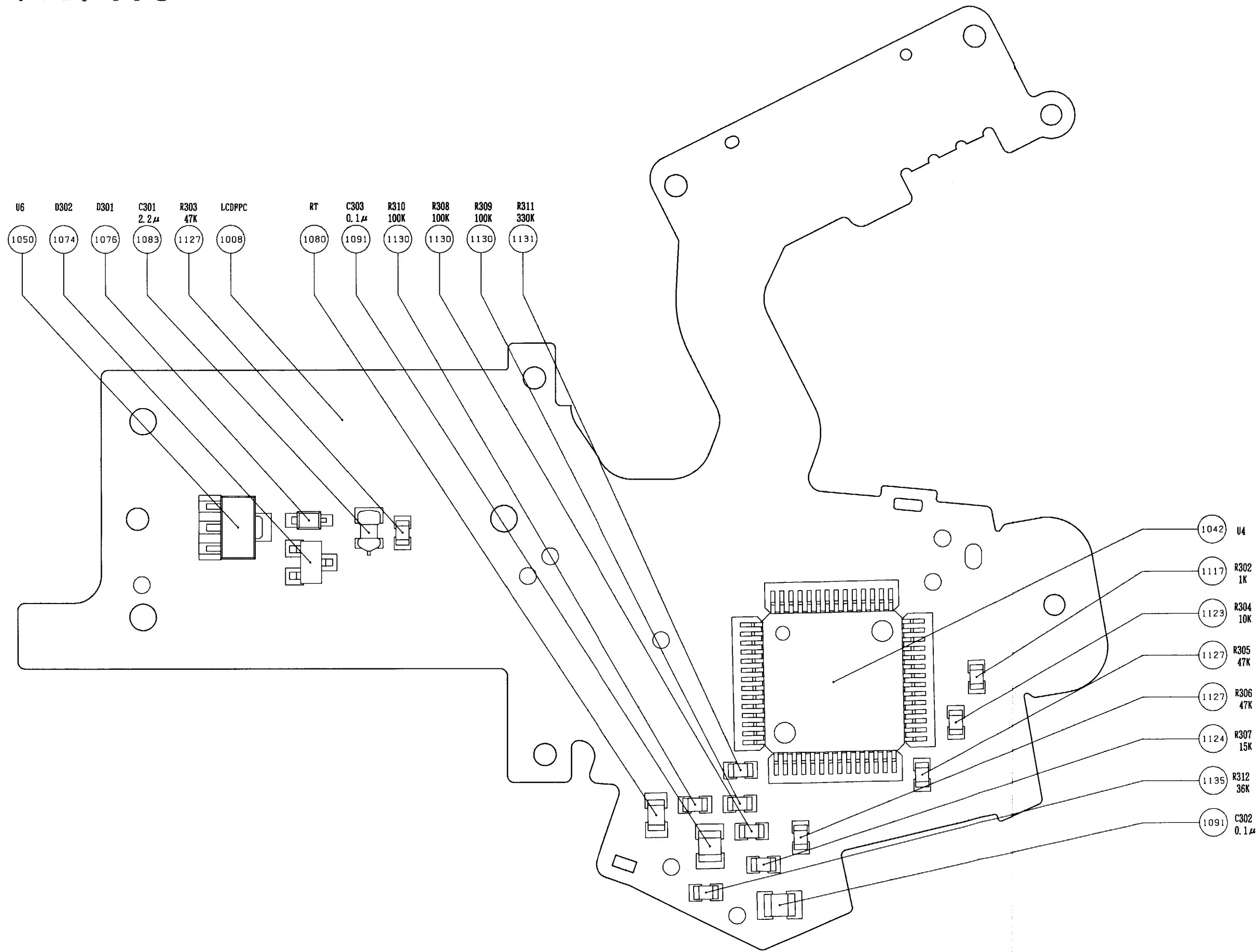
メインFPC実装図  
Main FPC



AF FPC実装図  
AF FPC

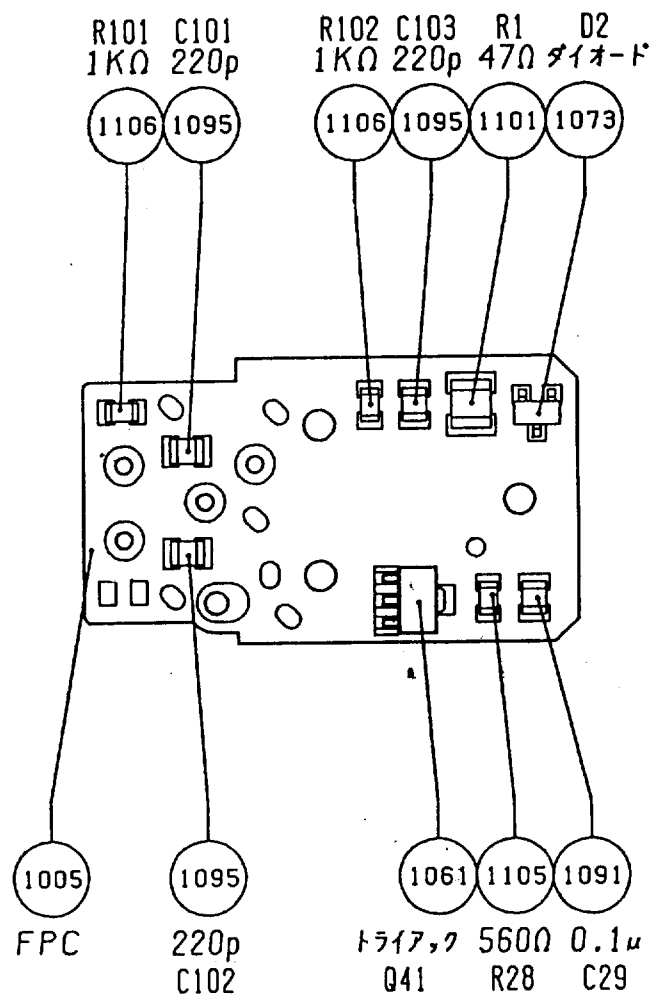


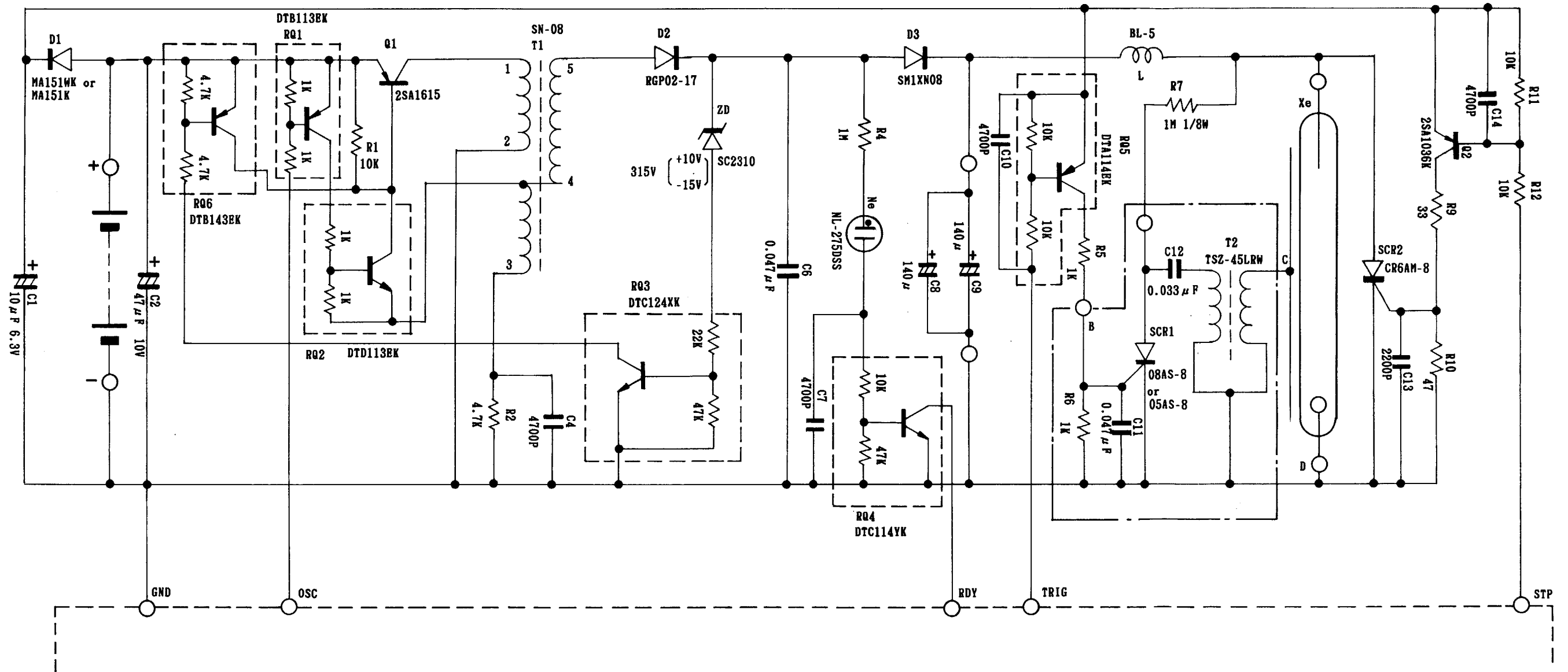
表示FPC実装図  
Display FPC

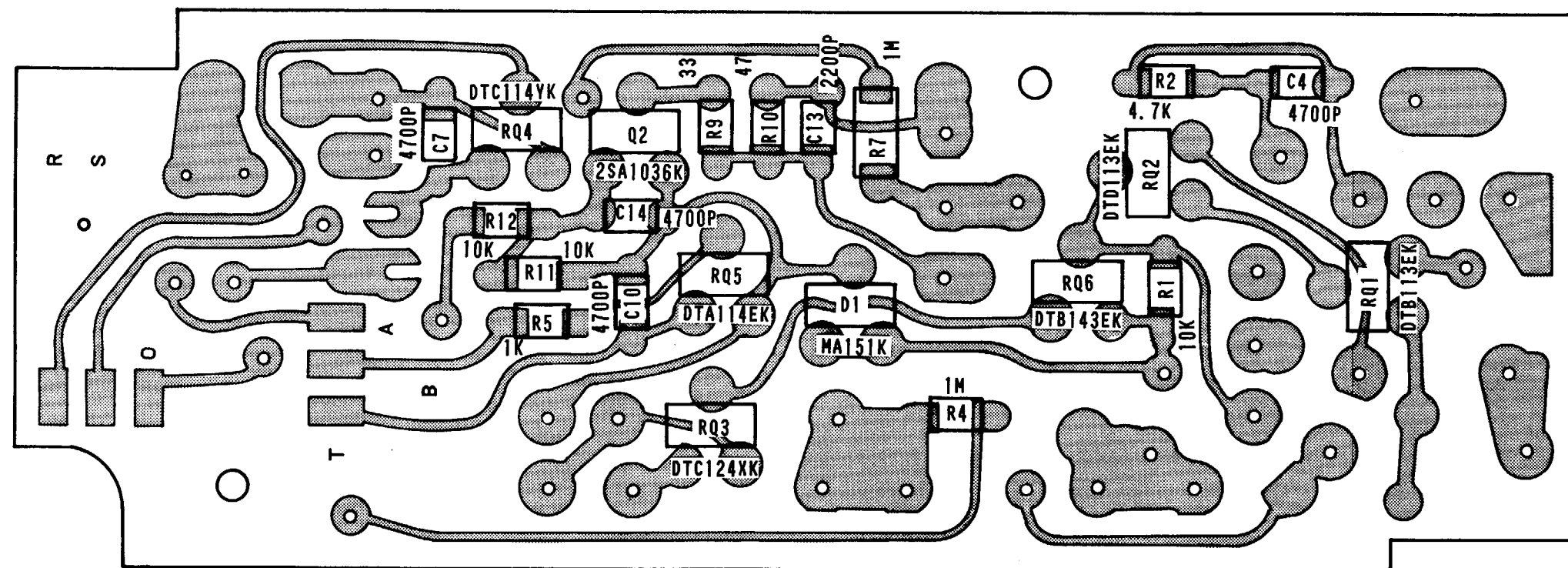
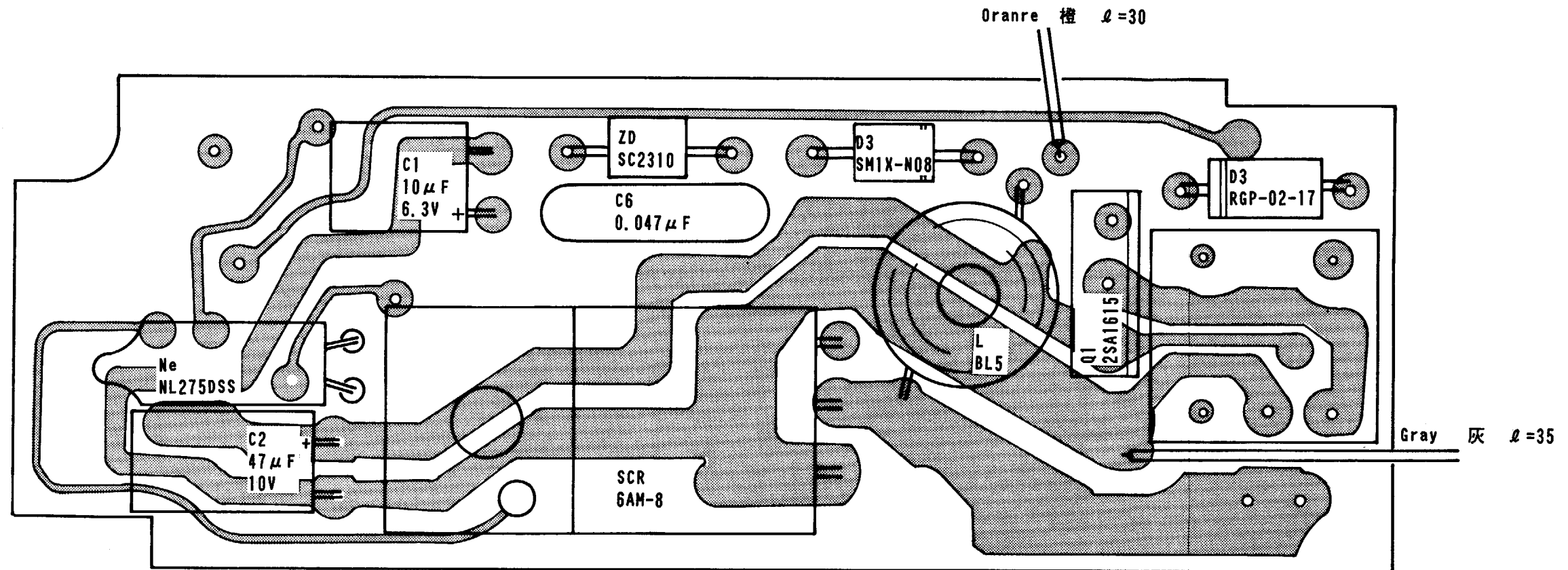


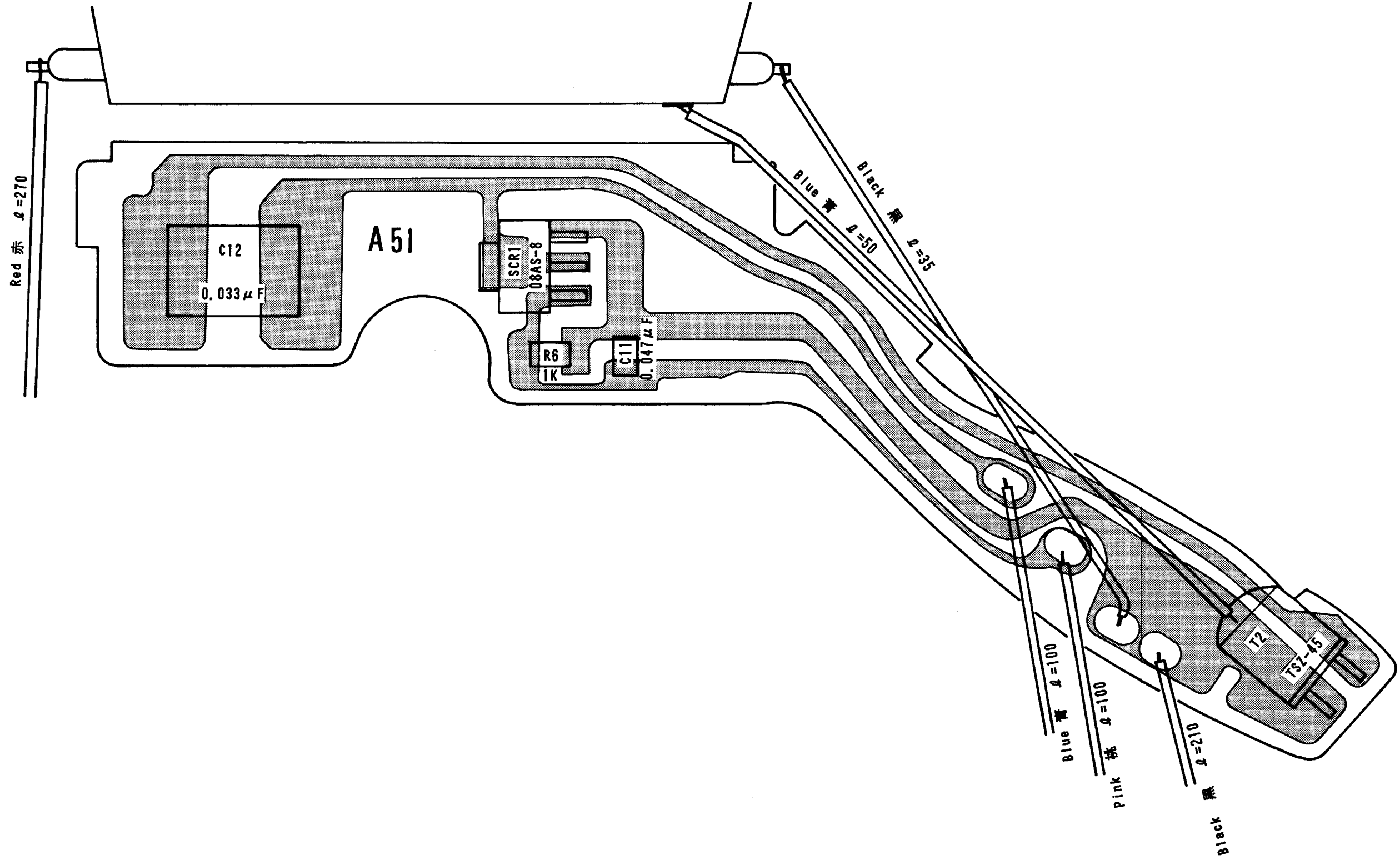
ホットシューFPC実装図

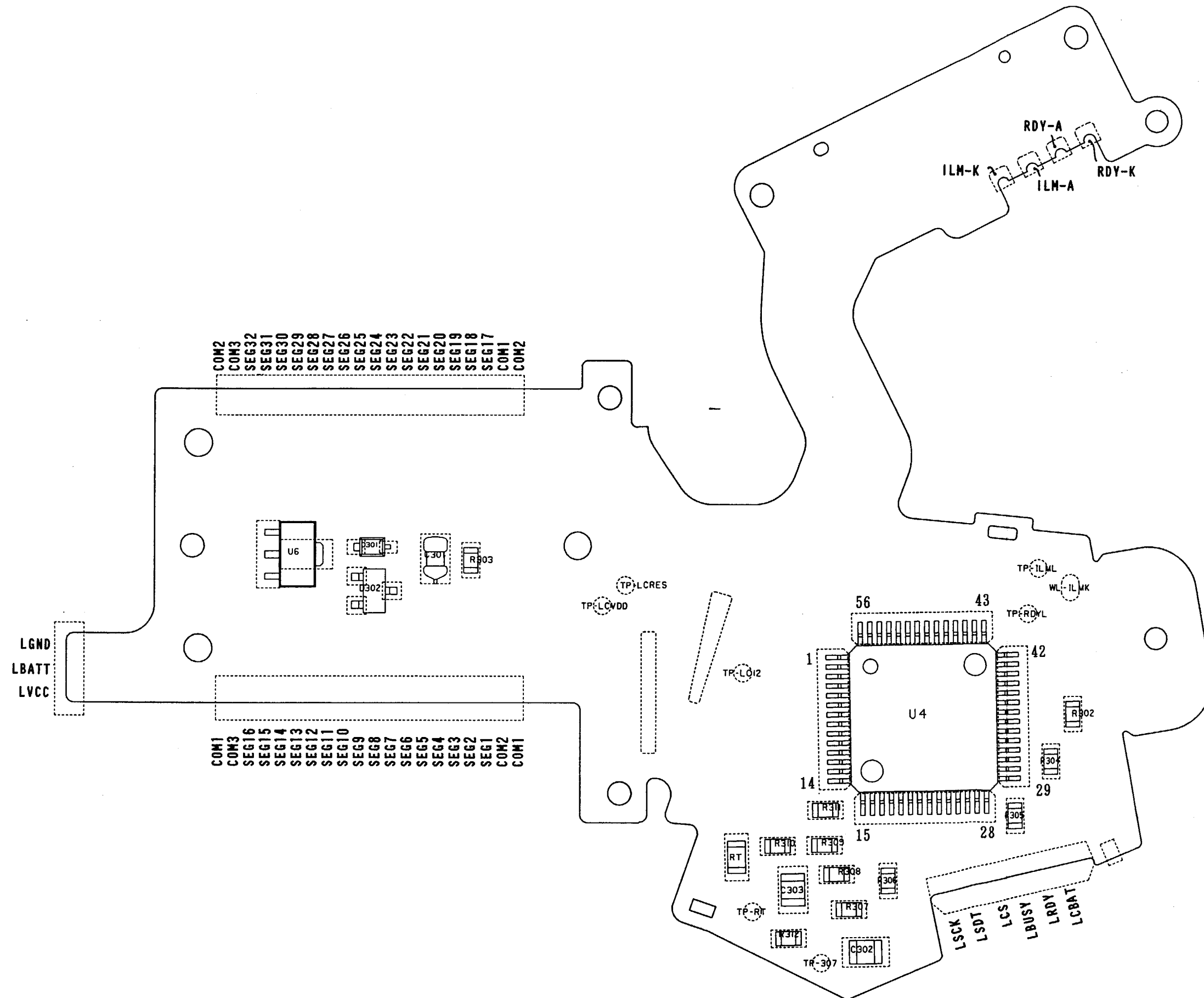
Hot shoe FPC







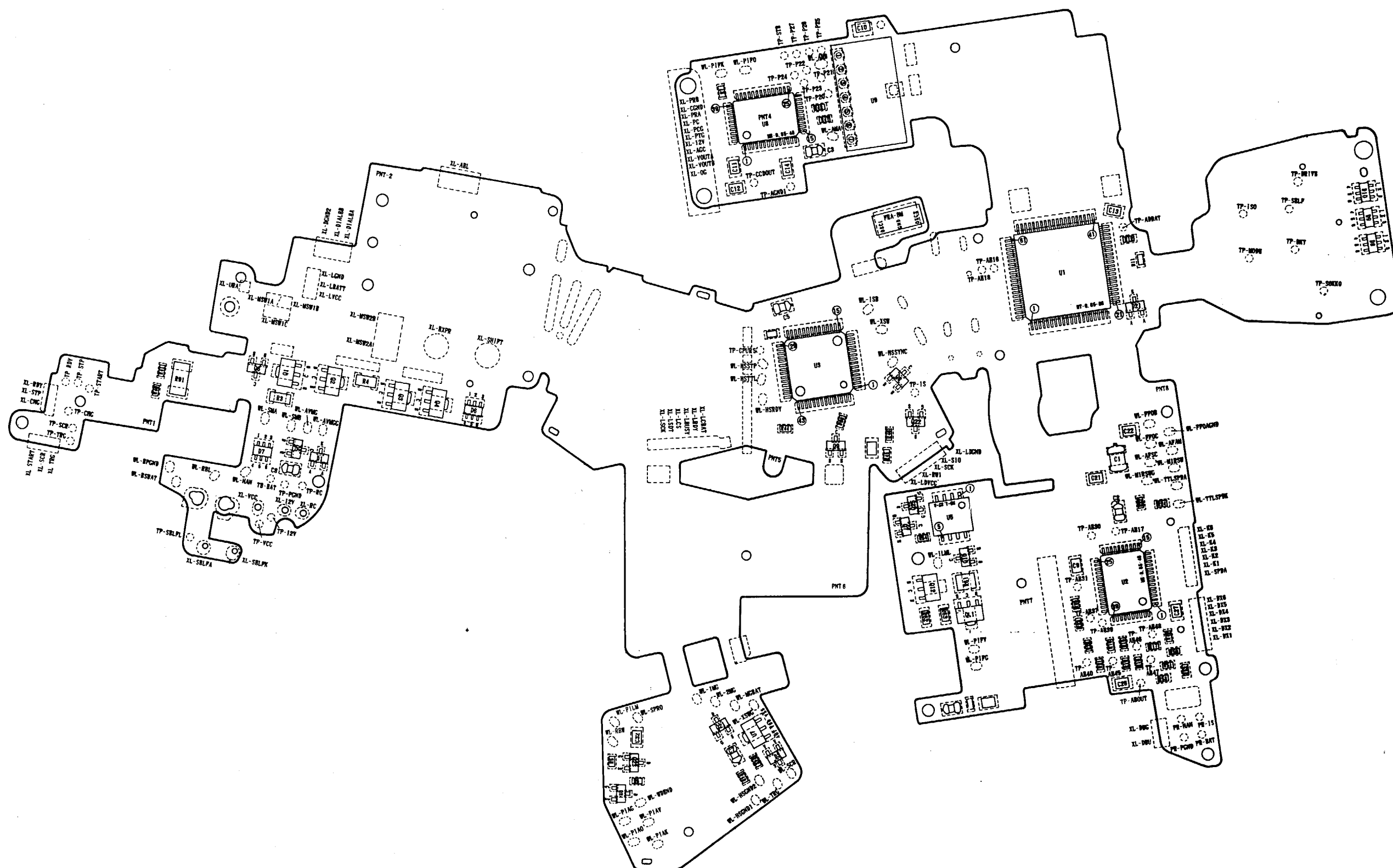






チェックランド☒ Checking Lands

FAA24051-R. 3282. A



## F - 6 0 1 E E P R O M D A T A

ADD- RESS	CONTENTS	VALUE TO BE WRITTEN		
		FIXED	R.P. OF	STANDARD
0 ~ 100	Compensation data of CCD	/	0	Uncertain
101 ~ 201	- ditto -	/	0	Uncertain
202	AF gain	161	←	←
203	AGC level on software	128	←	←
204	L1 compensation data ( $\Delta Z$ )	/	0	Uncertain
205	- ditto -	/	0	Uncertain
206	Hard AGC level (Hard gain H level)	/	55	Undecided
207	- ditto - (Hard gain L level)	/	62	Undecided
208	- ditto - (Normal gain H level)	/	30	Undecided
209	- ditto - (Normal gain L level)	/	45	Undecided
210	Aperture adjustment data	/	112	Undecided
211	1/2000 sec. adjustment data	/	0	Undecided
212	AB level (spot)	/	173	Undecided
213	AB- $r$	/	205	Undecided
214	AB level (circle)	/	110	Undecided
215	TTL- $r$	/	85	Undecided
216	AB level (upper left)	/	110	Undecided
217	TTL level	/	52	Undecided
218	AB level (upper right)	/	110	Undecided
219	f-fo level	/	10	Undecided
220	AB level (lower left)	/	110	Undecided
221	f-fo $r$	/	125	Undecided
222	AB level (lower right)	/	110	Undecided
223	Speed ratio of lens and object.	77	←	←
224	F1 filter of low contrast level	150	←	←
225	F2 filter of low contrast level	190	←	←
226	F3 filter of low contrast level	190	←	←
227	Battery check 1st level (4.8v)	/	150	Undecided
228	Battery check 2nd level (4.5v)	/	135	Undecided
229	Option setting 128 : Film end rewind. 136 : Film leader remains outside.	/	128	128 or 136
230	Selftimer 2~30 : setting time, 31 : double-self	/	10	Data are changed by using conditions.
231	Exposure compensation 3 LSB / 1 EV	/	0	
232	Flash output compensation 3 LSB / 1 EV	/	0	
233	Metering mode 0:matrix, 1:center-weighted, 2:spot	/	0	
234	Exposure mode 0:P, 1:PM, 2:S, 3:A, 4:M	/	1	
235	ISO setting 3 LSB / 1 SV	/	15	
236	Drive mode 0:S, 1:CL, 2:CH	/	0	
237	Auto bracketing	/	0	
238	Remaining number of auto bracketing.	/	0	
239	Shift button	/	0	
240	Shutter speed data	/	0	Data are changed by using conditions.
241	Aperture data	/	0	
242	Frame number 255: E (no film in a camera)	/	255	
243	Program shift data.	/	0	
244 ~ 247	Not in use.	0	←	←
248 ~ 255	Factory used only.	/	/	/

Fixed data : Do not change the data.

Initial data of Main RPC unit for repair parts :

Fixed data and roughly data are written in RPC assembling.

Standard data : These are general data. Data are not yet decided.

## [ 1 ] Inspection standards

	Item	Judgement standards	Remarks
Shooting	Separation between frames	$2 \pm 1 \text{ mm}$ . Center of separation should not coincide with a perforation.	Vernier caliper scale
	Vertical difference	0.4mm (max.) in vertical direction.	Film
	General light leakage	Practically no light leakage at 400,000 lux min. (over 40,000 lux x time) (ISO 400).	Light leakage tester
	Light leakage between shutter curtains	Practically no light leakage at 200,000 lux min. (over 100,000 lux x time).	Sun light.
Viewfinder	Dioptr	Viewfinder image: $-1 \pm 0.3 \text{ dpt}$ Display inside viewfinder: $-1.1 \pm 0.3 \text{ dpt}$	Dioptric tester
	Viewfield ratio	$92_{-1}^{+3} \%$	
	Infinity ( $\infty$ )	$0 \pm 30''$	
	Apparent resolution	20 lines/mm or more at center, 10 lines/mm or more at contour	
Shutter accuracy	Allowance difference	P, PM, A mode $1/2000 - 1/250 : \pm 0.65 \text{ TV}$ $1/125 - 30'' : \pm 0.5 \text{ TV}$ M, S mode $1/2000 - 1/125 : \pm 0.45 \text{ TV}$ $1/60 - 30'' : \pm 0.3 \text{ TV}$	Shutter tester
	Shutter curtain speed	Less than 7ms for both front and rear curtains.	
	Voltage condition	Meets the standard values at the power voltage between 4.5V and 6V.	
Exposure accuracy	Exposure value	P, PM, A, S mode $1/1000 - 1/2000 : \pm 0.65 \text{ EV}$ $30'' - 1/500 : \pm 0.5 \text{ EV}$	Shutter tester
	Aperture control	P, PM, S mode $f/5.6 : 0 \pm 0.3 \text{ AV}$ Other than $f/5.6 : 0 \pm 0.5 \text{ AV}$	

	Item	Judgement standards	Remarks
Bracketing shooting	Exposure	Changing from underexposure to over-exposure.	Shutter tester
	Method of compensation	P, PM, mode Follow program charts S mode Compensate aperture value A mode Compensate shutter speed M mode Do not compensate, though setting is possible. When dedicated flash is mounted, compensate TTL flash output level.	Flash meter
Sync contact	Insulation resistance	30M ohms (min.) at DC 500V	Insulation resistance meter
	Contact efficiency	50% (min.) at both 1ms and 2.5ms	Contact efficiency meter
	Flash fires after shutter is fully opened.	Front-curtain sync: 0.4ms (min.) Rear-curtain sync: 3.5 to 7.1ms (at 1/60 sec.)	Shutter tester
	Time period which shutter stays fully open after flash fires.	Front-curtain sync: 1.8ms (min.) Rear-curtain sync: 2 to 5.5ms (at 1/60 sec.)	
Built-in flash	G.N.	13+2.5, -2.1 ( $\pm 0.5$ EV): In to sec. or more after recharging. 10 (min.): Immediately after recharging	Flash meter. At 2m distance. Standard reflector board.
	Flash orientation characteristics	Covers 28mm lens view. Within 1EV at 26.5° (tilting) and 35° (swing)	
	Recycling time	Within 3 sec. (at full power, 5 times consecutively, using fresh battery.)	Battery
	No. of firings	200 times or more (recycling time: 4 sec.) 250 times or more (recycling time: 10 sec.) Measured at full power with 20 sec. interval	Clock
	Pop-up button stroke and pressure	Stroke: 0.8 to 1.4mm Pressure: 90 to 160g	Dial gauge Bar-type pressure gauge
	Height of flash when it is released	76.6 $\pm$ 1.5mm: From center of optical axis to the top of flash case.	Scale

	Item	Judgement standards	Remarks
TTL mode	Exposure value	0.1 lux S $\pm$ 0.4EV (at ISO 100, 2m, f/5.6) $\pm$ 1EV (at other combinations)	Flash meter Fuji HR100 film Standard reflecting paper (25%)
Mount	Lens release	Easy and positive lens release	Bar-type pressure gauge
	Pressure of lens release button,	750g (max.) at the position to which lens release pin is depressed to the mount surface.	
	Projection of lens release button	1.4 + 0.05, - 0.1mm from bayonet surface.	Vernier caliper scale
	Pressure of lens release pin	750g (max.)	
	Height of AP coupling pin	1.6 $\pm$ 0.1mm	
AP	Adjustment accuracy	Yaw: 0 $\pm$ 6m rad Pitch: 0 $\pm$ 6m rad Z: 0 $\pm$ 30 $\mu$ m	Personal computer and other tools SB-24, etc.
	AP illuminator	AP illuminator lights up at EV2 or lower.	
AB lock lever	Movement	Lock lever moves smoothly.	Bar-type pressure gauge
	Pressure (ON)	60 to 150g	
	Stroke (ON)	1 $\pm$ 0.5mm	Vernier caliper scale
	Total stroke	2 $\pm$ 0.5mm	
Aperture coupling ring	$\phi$ 1	52° $\begin{smallmatrix} +0^\circ \\ -1^\circ \end{smallmatrix}$	Angle gauge
	$\phi$ 2	113.5° (min.)	
Main switch	Click perssure	500 $\begin{smallmatrix} +150 \\ -200 \end{smallmatrix}$ g	Bar-type pressure gauge
Command dial	Click release torque	230 $\pm$ 50g $\cdot$ cm	Torque meter
Shutter release button	Movement	Shutter release button moves smoothly.	Bar-type pressure gauge
	Switch ON tension	Shutter pre-release switch: 30 to 100g Shutter release switch: 230 to 330g	
	Switch ON stroke	Shutter pre-release switch: 0.5 $\pm$ 0.1mm from the top of shutter release. Shutter release switch: 0.5 $\pm$ 0.1mm from the pre-release switch turns on.	Dial gauge
	Total stroke	1.25mm (min.)	

	Item	Judgement standards	Remarks
Rubber switch	Film rewind side	Switch ON pressure: $150 \pm 50\text{g}$ Switch ON stroke: $0.6 \pm 0.2\text{mm}$	Bar-type pressure gauge
	Film advance side	Switch ON pressure: $200 \pm 60\text{g}$ Switch ON stroke: $0.6 \pm 0.2\text{mm}$	
Aperture coupling lever	Height from optical axis	$3.4 \pm 0.1\text{mm}$	Dedicated gauge  AP55 or AP105 0 AP50 f/1.8
	Horizontal position from optical axis	$18.7 + 0.35, -0.3\text{mm}$	
	Operating stroke	7.4mm (min.)	
	Operating time	55 to 75ms: From shutter release switch is ON to completion of stopping down. 30ms: From the position stopped to completion of stopping-down. 70 to 90ms: From starting aperture lever to starting of front curtain.	
Mirror	Movement	Make sure that mirror comes into contact with stopper pin.	800mm lens
	Bound	No shadow appears on the film.	
Camera back	Opening pressure	Press slide lever: 350 to 1000g.	Bar-type pressure gauge
	Closing pressure	Press left side of film cartridge confirmation window: 900 to 1800g	
	Height of sprocket holding intercept	$4.8 + 0.3, -0.1\text{mm}$ from mounting surface.	Vernier caliper scale
	Pressure of pressure plate	350 to 600g at the center of film plane.	
	Flatness of pressure plate	0.02mm (max.) within the range of film plane.	
Camera back switch	ON-OFF position	Position where camera back is opened by $7 \pm 3\text{mm}$ from lock cover.	Vernier caliper scale
	Lever pressing pressure	6g (min.)	Bar-type pressure gauge
DX contact	Contacting portion	Does not scratch the film cartridge.	Dial gauge  Bar-type pressure gauge
	Height of contact	$1.5 \pm 0.15\text{mm}$	
	Contact pressure	15g (min.) at initial position. $70 \pm 7\text{g}$ measured at film cartridge surface.	

	Item	Judgement standards	Remarks
Film detection switch	Height	$1.95 \pm 0.2\text{mm}$	Dial gauge
	ON-OFF position	1 to 1.5mm from inside surface of film guide rails	
	Pin pressure	10g (min.) at 1mm distance from inside film guide rails.	Bar-type pressure gauge
	Clearance of pin	$0.3 \pm 0.2\text{mm}$	
Sprocket	Position	$27.7 + 0.8, -0.4\text{mm}$ : From the end of aperture to the end of right sprocket.	Dedicated gauge
	Clearance	0.8mm (max.)	
Spool	Friction	Static torque: $220 \pm 50\text{g.cm}$ Dynamic torque: 120g.cm (min.)	Bar-type pressure gauge
	Movement	No rotation fluctuation	
Film rewind set lever	Lever release sliding distance	1 to 1.5mm	Vernier caliper scale
	Sliding tension	50 to 150g	Bar-type pressure gauge
Film rewind button	Movement	It cannot be pressed unless sliding the film rewind set lever.	
	Height	$3.65 \pm 0.3\text{mm}$	Vernier caliper scale
	Setting position	1.5 to 2mm from top of the button.	
	ON position	$2.5 \pm 0.5\text{mm}$ from top of the button.	Bar-type pressure gauge
	ON tension	1500g (max.)	
Film rewind fork	Movement	The fork rotates smoothly and lightly.	
Batter chamber	Contact spring tension	Place the battery on the hook of the battery chamber and press. 550g (min.) at initial movement.	Battery Bar-type pressure gauge
Batter chamber lid	Opening tension	$310 \pm 50\text{g}$ (without battery)	Bar-type pressure gauge
	Releasing tension	Can be released at 1kg (min.) Shaft cannot be broken.	
Accessory shoe	Dimensions	Based on JIS-B7101	
	Gap	None	
	Bend	$0 \pm 1^\circ$	Viewed by naked eyes
	Step between contact and mold	Lower than 0.2 to 0.3mm (sync contact) Lower than $0.2 \pm 0.05\text{mm}$ (others)	Dial gauge
Tripod bush	Dimensions	Based on JIS-B7103	
	Mounting	No gaps	

	Item	Judgement standards	Remarks
Self-timer window	Attaching tension	Press the window with a bar-type pressure gauge. It cannot be peeled off at 1kg (max.)	Bar-type pressure gauge
LCD panel	Attaching tension	Press the panel with a bar-type pressure gauge. It cannot be peeled off at 2kg (max.)	Bar-type pressure gauge
Power source timer	After turning shutter pre-release switch OFF.	8 seconds	Clock
	After each operation	2 seconds, but 6 seconds while end of the film, Err is displaying and brackting.	
Battery check	8 sec. hold	4.8V (min.)	Clock
	0 sec. hold	4.8 to 4.5V	Regulated DC power source
	Shutter release lock	4.5V (or lower)	Digital multi-meter
Current consumption	Current value	20 $\mu$ A (max.) when main switch is OFF. 400 $\mu$ A (max.) when main switch is off and power timer is OFF. 240mA (max.) when metering.	Regulated DC power source. 5.6V, 0.8 ohms Digital multi-meter
Data back	Data imprinting	No over or under intensity of imprint. Check by actual shooting.	Film
	Pressure of pressure plate	350 to 700g at center of the frame.	Bar-type pressure gauge
	Flatness of pressure plate	Less than 0.02mm within the frame.	
	Others: opeing/closing pressure	Usually corresponding to the judgement standard described on camera back.	



Item		Judgement standards		Remarks	
Durability of each part (reference)					
Item	No. of times	Item	No. of times	Item	No. of times
Shutter	30000	Self-timer (S)/Rear-curtain sync button (F)	600	Flash set/release operation	1000
Shutter release switch	30000	Shift button (□)	1500	Flash firing	1500
Power switch	2500	Exposure compensation button (E)	300	Film cartridge loading	1500
Command dial (1/3 turns)	6000	AE lock lever	600	Byepiece correction lens set/release operation	30
Command dial (1 turn)	200	Film rewind set lever	1500	Tripod socket mounting	500
Exposure mode/automatic balanced fill-flash button (A)	1000	Film rewind button	1500	Open/close operation of battery chamber lid	100
Film speed/film speed setting mode button	600	Lens release button	1500	Battery loading/unloading	100
Film advance mode button	600	Lens release operation	1500	Cable release mounting	300
Auto exposure bracketing button	600	Aperture coupling ring	6000	Cable release operation	300
Metering system (M)/slow sync button (S)	600	Open/close operation of camera back	1500		
AF mode selection lever	1200	Built-in flash release operation	3000	Data back imprint firing	20000
AF operation Coming into contact with stopper	1500	Full power firing (built-in flash)	3000	Data back adjustment buttons	3000
AF operation Not coming into contact with stopper	100000			Opening/closing data back battery chamber lid	50

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[ 2 ] Tool

Tool No.	Name of tool	Class
J 1 5 2 8 7	Manual film advance tool (commonly used with F-601M)	A
J 1 8 2 1 7 A	Checking & adjustment disk for F-601/N6006 J 1 8 2 1 7 A : for 5 " disk J 1 8 2 1 7 B : for 3.5 " disk	A
J 1 8 2 1 7 B		

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Correction	Page No.	Part Number	Additions to Part Number column	Correction	Page No.	Part Number	Additions to remarks column
① Add "*" to part number.	P1	1G550-020	<u>*1G550-020</u>	② Add common products names to remarks column.	P4	*1K060-048	<u>F-601M</u>
	P4	1K116-616	<u>*1K116-616-1</u>			1K060-054	<u>F-601M</u>
	P5	1K120-017-1	<u>*1K120-017-1</u>		P5	*1K120-017-1	<u>F-801</u>
		1K120-019	<u>*1K120-019</u>			*1K120-019	<u>F-401</u> <u>F-401S</u>
		1K120-102-1	<u>*1K120-102-1</u>			*1K120-102-1	<u>F-401</u> <u>F-401S</u> <u>F-801</u>
	P6	1K120-226	<u>*1K120-226</u>		P6	*1K120-226	<u>F-501</u> <u>F-401</u> <u>F-401S</u> <u>F-801</u>
		1K120-274	<u>*1K120-274</u>			*1K120-274	<u>F-801</u>
		1K120-275	<u>*1K120-275</u>			*1K120-275	<u>F-801</u>
	P7	1K146-082	<u>*1K146-082</u>		P7	*1K146-082	<u>F-301</u> <u>F-501</u> <u>F-401</u> <u>F-401S</u> <u>F-801</u>
		1K201-079	<u>*1K201-079</u>			*1K201-079	<u>F-801</u>
		1K220-217	<u>*1K220-217</u>			*1K220-217	<u>F-401</u> <u>F-401S</u>
	P8	1K230-222	<u>*1K230-222</u>		P8	1K220-317	<u>F-601M</u>
	P9	1K233-052	<u>*1K233-052</u>		P9	*1K233-052	<u>F-401</u> <u>F-401S</u> <u>F-801</u>
	P10	1K302-044	<u>*1K302-044</u>		P10	*1K277-068	<u>F-601M</u>
		1K370-794-1	<u>*1K370-794-1</u>			*1K302-044	<u>F-801</u>
	P11	1K404-091-1	<u>*1K404-091-1</u>		P11	*1K404-091-1	<u>F-801</u>
	P12	1K630-531	<u>*1K630-531</u>		P12	*1K630-531	<u>F-801</u>
		1K640-636	<u>*1K640-636</u>			*1K640-636	<u>F-401</u> <u>F-401S</u> <u>F-801</u>
	P13	1K681-039-1	<u>*1K681-039-1</u>		P13	1K680-728-1	<u>F-601M</u>
	P18	1S125-038	<u>*1S125-038</u>			*1K681-039-1	<u>F-801</u>
		1S380-007	<u>*1S380-007</u>		P18	1S705-180-1	<u>F-601M</u>
	P21	1B001-755-1	<u>*1B001-755-1</u>		P21	*1B990-265	<u>F-401</u> <u>F-401S</u> <u>F-801</u>
		1B060-336	<u>*1B060-336</u>		P22	1B990-494	<u>F-601M</u>
		1B314-151-1	<u>*1B314-151-1</u>				
		1B990-265	<u>*1B990-265</u>				
		1B990-331	<u>*1B990-331</u>				

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